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VEGETABLE
SEED TRIALS
HORTICULTURE

1934 CATALOGUE
OF

EVERYTHING for the **GARDEN**
LAWN and **FARM**

CHAAPEL'S SEED STORE

Established 1877

WILLIAMSPORT, PA.

Retail Store · 39 E. Third St.

Sow Chaapel's Clover Lawn Seed



A good lawn beautifies your home, and adds greatly to its commercial value

Chaapel's Clover Lawn Grass Seed

Recleaned and tested seed, weighing 30 pounds to the bushel

Our mixture absolutely can be relied on as being made up of the finest quality of grass seed obtainable, free from weed seeds, and of the very best and highest germinating qualities. It is a special mixture of grasses that do best in our soils. The increasing demand for a lawn seed having a larger proportion of White Clover induced us to offer this mixture which contains a most liberal quantity of best recleaned White Clover. While primarily made up for normal locations, it contains certain grasses that will thrive in partially shady places. Sow 1 quart to 200 square feet (10 x 20 ft.). **Pt. 15 cts., qt. 30 cts., 2 qts. 55 cts., 4 qts. \$1, pk. \$1.75, bus. (30 lbs.) \$7, 100-lb. lots or over, 20 cts. per lb. Postage extra.**

Chaapel's Shadygreen Lawn Seed

While it is impossible to maintain a permanent lawn in certain shady locations, such as under soft maple trees, we have combined in this mixture certain grasses that are more resistant to these harsh conditions. We recommend this mixture to be especially prepared for shady locations. Sow 1 quart to 200 square feet (10 x 20 ft.). **Qt. 50 cts., 2 qts. 90 cts., 4 qts. \$1.50, pk. (6½ lbs.) \$2.75, bus. (25 lbs.) \$10.**

FANCY WHITE CLOVER. Fine for new or old lawns; easy to grow. **1/4 lb. 20 cts., 1/2 lb. 35 cts., lb. 60 cts., postpaid.**

Chaapel's Lawn Grass Seeds

Besides supplying lawn seeds for the home, mixed from the best grasses obtainable for your locality, we specialize in supplying grass seed for private estates, public parks, and golf courses, either after our own or individual formulas. Our genuine Bent Grass is unsurpassed for putting-greens and other places where landscape architects specify it. Correspondence solicited. Quantity quotation on request. Ask for our leaflet "A Few Suggestions on Lawn Making."

Fertilizers are necessary in making a good lawn

CHAAPEL'S SEED STORE

. . . .

Williamsport, Pa.

**57
Years**

CHAAPEL'S 1934 CATALOGUE

**57
Years**

The Oldest Seed Store in Central Pennsylvania

We trust you will read and keep for reference our 1934 catalogue. You will be interested in our prices, which we have endeavored to make as low as possible in keeping with present conditions and taking into consideration that every penny counts.

Your special attention is called to our Flower Seed Department which is very complete as to variety: Seed is all fresh, high germination and put up in convenient colored lithographed packages. We feature large assortment Rock Garden Seeds.

Vegetable Seed Department carrying full line of popular varieties. It pays to plant a garden and is economical as well.

Our aim is to carry what you want and need, therefore the Miscellaneous Department is very large including Pratt's Feed and Poultry Remedies, Poultry Supplies, Implements, Cutting and Plow Repairs, Root's Bee Supplies, Dairy Supplies, Fertilizers, Dog Food and Remedies, Birds, Cages and Supplies, Baby Chicks, Baskets, Sprayers, Spraying Material, Field Seed and Corn.

Every package of seed in our store is put up by ourselves for your convenience and to save time.

WE MAKE THOROUGH VITALITY TESTS OF ALL OUR SEEDS. This insures that seeds **will germinate** and **grow** if soil and weather conditions, over which we have no control, are not destructive after planting.

NON-WARRANTY. Chaapel's Seed Store give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants they sell and will not be responsible for the crop. If the customer does not accept the goods on these terms, they are at once to be returned and the amount paid for them will be refunded.

Importance of Ordering Early. Before the rush season begins we can give you better service, for our stocks will then be complete. Being sold out of some varieties entails correspondence and delays, so on receipt of this catalogue make out your order and mail it to us immediately.

MAKING OUT ORDERS. Be sure to use the order sheet and follow directions given.

PRICES. The prices quoted in this catalogue are net, and not subject to discount. Where prices are quoted postpaid, they apply only to the first and second postal zones from Williamsport.

CHAAPEL'S SEED STORE

R. C. CHAAPEL, Mgr.
HARRY CHAAPEL
P. A. McGOWAN

WILLIAMSPORT, PENNA.

Look at the Index. It's easy to find what you want

SEE LAST PAGE OF CATALOGUE

SEEDS FOR MARKET-GARDENERS



The steady increase of our business with market-gardeners from year to year is due to the quality of Chaapel's Seeds and the personal service of the management. Our local gardeners profit by this service, and that they appreciate it is evidenced by our increasing business with this critical trade.

Many of our customers, especially those living in Lycoming and adjoining counties, are acquainted with us personally; it's an honor to us, and a pleasure, to have you visit our store. Come in and make yourself at home. Ask us for information and make our store your headquarters while in Williamsport; if you can't come, be friendly and write occasionally.

THE HOME GARDEN

No vegetables ever come to the home table like those gathered fresh from the home garden

It's a common saying that a good garden furnishes one-half the food of a family. This is true or false as we interpret the term "good garden." A real garden is supposed to supply fresh vegetables in abundance during the growing season, a surplus for canning.

Note our special reduction on Flower and Vegetable Seeds in assorted packets of your selection in one order as follows:

10c pkts. Assorted, your selection, 5 pkts. or more, at .7c each.

15c pkts. Assorted, your selection, 5 pkts. or more, at 12c each.

In ordering pkts. offered above, use the net amount on order sheet.

OUR OWN BULK SEEDS

Sometimes customers ask "Do you have loose or bulk seeds?" Sure! Our seeds are produced by practical seed-growers, largely in the Western States, including California. After harvest they are shipped to us in bulk. In the winter months we put them up in attractive packages, carefully labeled, ready for our customers.

How to Order Seeds by Parcel Post. We earnestly advise that all light shipments go by Parcel Post whenever possible. We will pay postage on all small seeds in packets, and in bulk up to 1/4 pound, anywhere in the United States. Up to 70 pounds, we can send seeds in any quantity. **Within the First and Second Zones from Williamsport, add to your remittance for postage as follows: 1-pound orders, 8 cents; for each additional pound, 1 cent.** For rates to other Zones, inquire of your postmaster. **The necessary postage must be sent with the order.**

EXPRESS AND FREIGHT SHIPMENTS. We can send them collect and you can pay the transportation charges on delivery.

HOW TO SEND MONEY. Remittances should be made by Post Office Money Orders, Express Money Orders, Drafts, or Checks.

CASH WITH ORDER. Customers will please remit when ordering.



Popular Flower Seeds

Each year the interest in flowers for garden and home decoration increases and more people turn to the growing of flowers for recreation and pleasure. Flower-lovers will find a number of new varieties in our lists this year, as well as all of the old friends. We have devoted most of our attention to the "annuals," that is, the kinds which grow, produce flowers, mature, and die the same season, since these are generally found most satisfactory in the average garden. Among the annuals are flowers for every purpose, tall and low-growing, trailing and climbing, for cutting and for garden display. All Flower Seeds are sent postpaid to your door.

All varieties not designated by HP are annuals, blooming the first season

HARDY PERENNIALS ARE DESIGNATED BY HP . HALF-HARDY HHP

There are a number of perennial varieties that will bloom the first season if sown very early; other varieties should be sown later, giving a continual riot of color year after year. Your attention is called to these extra good perennials which are described in the following pages. Find them in the index.

<i>Alyssum saxatile compactum</i>	<i>Chinese Lantern Plant</i>	<i>Linum</i> (Perennial Flax)
<i>Aconitum</i> (Monkshood)	<i>Coreopsis lanceolata grandiflora</i>	<i>Lupine</i> (<i>Polyphyllus</i>)
<i>Aquilegia</i> (Columbine)	<i>Daisy, Shasta</i>	<i>Lychnis chalcedonica</i>
<i>Armeria</i> (Sea Pink; Thrift)	<i>Delphinium</i> (Larkspur)	<i>Platycodon</i> (Balloon Flower)
<i>Arabis</i> (Rock Cress)	<i>Digitalis</i> (Foxglove)	<i>Poppy, Oriental</i>
<i>Asters, Hardy</i>	<i>Forget-me-not</i>	<i>Potentilla</i> (Cinquefoil)
<i>Aubrieta</i> (Rainbow Rock Cress)	<i>Caillardia</i> (Blanket Flower)	<i>Pyrethrum roseum</i>
<i>Bellis</i> (English Daisy)	<i>Gypsophila</i> (Baby's Breath)	<i>Sweet William</i>
<i>Canterbury Bells</i>	<i>Hollyhock</i>	<i>Statice</i> (Sea Lavender)
<i>Carnation, Marguerite</i>	<i>Honesty</i> (Moonwort; Satin Flower)	<i>Tunica</i>
<i>Carnation, Chabaud's Giant</i>	<i>Iberis</i> (Candytuft)	<i>Valeriana</i> (Garden Heliotrope)
Double	<i>Linaria</i> (Kenilworth Ivy)	<i>Wallflower</i>

Most all of these are offered in 10-ct. pkts. Also in bulk at very low prices

FERTILIZERS MAKE FLOWERS GROW AND BLOOM

Most annual flowers, due to their short season of growth and profuse bloom, are heavy feeders and require an abundance of a quick-acting fertilizer. Nitrate of Soda and Sheep Manure are particularly adapted for this class of plants. The Sheep Manure should be applied at the time of planting; the Nitrate of Soda several times during the season. The perennial plants are slower growers and for that reason the less active fertilizers, such as Bone-Meal and our Special Garden Fertilizer, meet their requirements. Either should be applied at time of planting and supplementary applications should be made during the life of the plant. For prices see page 55.

Popular Annuals in Convenient Groups for a Choice

Annuals for Edgings

<i>Ageratum</i>	<i>Pansy</i>
<i>Alyssum</i>	<i>Petunia</i>
<i>Aster</i>	<i>Phlox</i>
<i>Candytuft</i>	<i>Portulaca</i>
<i>Forget-me-not</i>	<i>Salvia</i>
<i>Marigold</i>	<i>Verbena</i>
<i>Nasturtium</i>	<i>Zinnia</i>

Annuals for Cut-Flowers

<i>Antirrhinum</i>	<i>Marguerite</i>
<i>Aster</i>	<i>Marigold</i>
<i>Bachelor Button</i>	<i>Mignonette</i>
<i>Calendula</i>	<i>Phlox</i>
<i>Cosmos</i>	<i>Scabiosa</i>
<i>Gaillardia</i>	<i>Sweet Pea</i>
<i>Gypsophila</i>	<i>Zinnia</i>

Annuals for Fragrance

<i>Alyssum</i>
<i>Candytuft</i>
<i>Dianthus</i>
<i>Mignonette</i>
<i>Nicotiana</i>

PRICE OF FLOWER SEEDS. All flower seeds are put up in large generous quantities in beautiful packets lithographed in colors with common sense cultural directions, and should not be compared to the common bargain seeds sometimes offered to attract attention. Entirely your selection. Prices for ounces or fractions of an ounce are very liberal for those who need more than packets.



This delightful Rock-Garden holds hundreds of charming little plants

What Seed to Plant in the Rock-Garden

A rock-garden can be developed in different ways: all annual flowers from seed, all hardy perennial flowers from seed, or a combination of both. A combination of annuals and perennials is usually considered the best, because most of the low-growing and creeping hardy plants bloom early in the season. Unless at least half of the plants chosen are late summer and fall blooming, your garden will lack color after August 1. It is for this reason we advise using certain colorful annuals.

Of course, there are a few varieties of suitable hardy plants that flower late, and many of those that flower early have attractive foliage all season. In fact, some of the best plants for the rock-garden are used chiefly for their attractive foliage.

You may, of course, raise many of the hardy plants from seed, as most of them grow very easily. There are a few varieties, however, that require several weeks or even months to germinate. It is generally best to start the seed in boxes and later transplant them into the rockery. The most satisfactory varieties to grow from seed are here described. Planting a rock-garden is really a never-ending process of collecting rare, new, and suitable plants. This is what makes a continual joy.

Suggestions for Your Rock-Garden Hardy Perennials—Easily Grown from Seed

Alyssum saxatile compactum
Arabis alpina
Armeria (Sea Pink)
Aubrieta (Rock Cress)
Bellis (English Daisy)
Carnation (Marguerite)

Centaurea (Dusty Miller)
Geum, Mrs. Bradshaw
Helianthemum (Sun Rose)
Iberis (Hardy Candytuft)
Linaria (Kenilworth Ivy)
Matricaria (Feverfew)

Myosotis (Forget-me-not)
Pinks, Double
Sweet William
Tunica saxifraga
Viola (Tufted Pansy)
Wallflower, Siberian

Annuals in the Rockery

The following is a list of those varieties of annuals we consider the best to use in rock-gardens.

Ageratum, Blue Perfection
Ageratum, Little Blue Star
Alyssum, White Carpet
Anagallis
Balsam (Lady's Slipper)
Calliopsis, Dwarf Mixed
Candytuft
Chrysanthemum

Dianthus Hedgewigi
Four o'Clock (Marvel of Peru)
Lobelia compacta
Marigold, Dwarf French
Mesembryanthemum (Ice-Plant)
Mignonette, Sweet-scented
Petunia, Bedding

Phlox Drummondii
Phlox, Starred and Fringed
Poppy, California
Portulaca, Double
Portulaca, Single
Verbenas
Zinnia, Pompon Varieties

Rock-Garden Mixtures

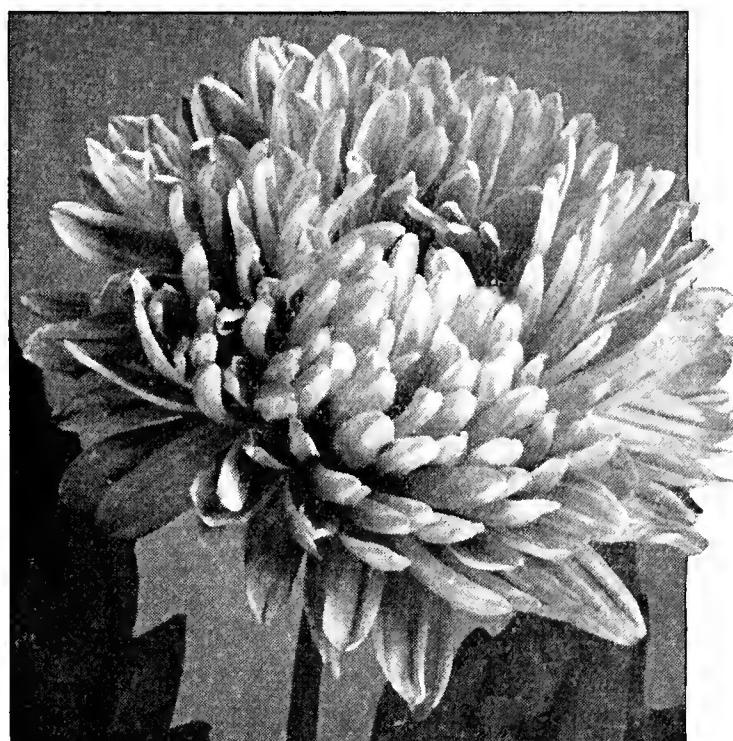
For your convenience we offer packets of Rock-Garden Seeds in mixture as above.

Annual Varieties, Choice Mixed. Pkt. 10 cts. **Perennial Varieties, Choice Mixed.** Pkt. 15 cts.

To germinate fine vegetable and flower seed, sow seeds on top of ground, press into the soil, put a damp burlap bag over the seed. Do not allow it to dry out; keep moist. Remove bag when seeds are up.



Giants of California



American Beauty

The Newer Asters of Real Merit

These American-grown Asters embrace several distinct types and colors, which we feel sure will, on account of their free growth, profuse flowering, large size, and general excellence, give entire satisfaction to the most critical growers of this popular flower. The high quality of flowers that can be grown from these newer sorts will prove very profitable and pleasing to the successful grower.

Improved Giants of California

Curled and Interlaced

Characterized by the well-known Crego or Comet type of flower, combined with the Beauty Aster's long, non-lateral branching stems and sturdy habit of growth, the Improved Giants of California type of Aster stands at the head of the list, not only for florists' use, but also for private gardens where quality is appreciated.

The large flowers are borne on long stems. The plants grow from 2½-3 feet, blooming from early July until frost. **Finest Mixed, all colors.** Pkt. 15 cts., ¼oz. 45 cts., ½oz. 80 cts.

Heart of France . A Pure Red Aster

This beautiful new variety opens as red as the purest ruby, deepens with age and retains its remarkable color to the very end. 1½ to 2 feet tall. Pkt. 10 cts., ¼oz. 25c.

New Sunshine Aster

The flowers have long, wavy petals and a cushion center of small, feathery quills of a different shade. Plants sturdy and strong, with long, stiff flower-stems. **Mixed Colors.** Pkt. 10 cts., ¼oz. 25 cts.

Queen of the Market Aster

Largely grown by commercial florists for cut-flowers and for early market. The large, double flowers have a loose and graceful appearance. **Mixed.** Pkt. 10 cts., ¼oz. 25 cts.

Do not plant Asters on the same ground continuously. Fertilize with mineral fertilizers only. Tobacco Dust added to the soil when transplanting Asters, at the rate of one ounce to the plant, aids in controlling root aphids.

American Beauty Aster

We have noted with pleasure the steadily increasing popularity of the Beauty type Aster as a florists' flower. The colors are good, and their keeping qualities unsurpassed. They are excellent shippers and are rapidly superseding American Branching for general use.

Planted at the same time, the Early Beauties flower with the Crego and American Branching types, or, from early July until frost. The plants are from 2½-3 feet, with long, stout stems bearing large well formed flowers.

White	Peach Blossom	Purple
Crimson	Dark Lavander	Mixed
Pkt. 10 cts., ¼oz. 40 cts.		

Giant Crego or Comet Aster

The twisted and curled petals give the flower the appearance of a huge, flat chrysanthemum. Flowers often 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length.

White	Crimson	Purple
Shell-Pink	Lavender	Mixed
Pkt. 10 cts., ¼oz. 25 cts.		

Ball's White . Florist's White Aster

Large, white Aster whose flowers are supposed to be so full and double that the petals appear to be heaped on top of each other. The stems are stiff and non-lateral. Pkt. 15 cts., ¼oz. 40 cts.

15th National Flower and Garden Show
Rochester, N. Y.
April 14th to April 22nd, 1934



Arabis—Rock Cress



African Golden Daisy



Blue Lace Flower

Alyssum

White Carpet. Dwarf, compact plants, densely covered with large, pure white flowers. Height, 4 inches. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

Sweet. The popular old-fashioned sort, the best for broad edges and vases; pure white. Height, 6 inches. Pkt. 5 cts., 1/4oz. 15 cts., oz. 40 cts.



Aubrieta

African Golden Daisy (*Dimorphotheca aurantiaca*)

An extremely showy annual Daisy from South Africa, which suits our climatic conditions perfectly. The bushy plant grows 12 inches high, and the flowers, which are 2 1/2 inches across, are a rich glossy orange-yellow, with dark disc and halo. Blooms continuously. Pkt. 10 cts., 1/8oz. 20 cts.

Ageratum . Floss Flower

Blue Perfection. Valued for its pretty, deep lavender-blue flowers which are borne in great profusion. Height, 1 foot. Pkt. 10 cts., 1/4oz. 30 cts.

Little Blue Star. 4 inches. Flower opens light blue with purple center and develops to a bright blue self. Pkt. 10 cts., 1/8oz. 40 cts.

Agrostemma . Rose Campion Mullein Pink HP

Coronaria. An attractive free-flowering hardy perennial of easy culture, producing glowing crimson flowers like a single pink, and silvery white foliage. Blooms the first season. Fine for cutting. Height, 2 feet. Pkt. 10 cts., 1/4oz. 25 cts.

Hardy Alyssum . Basket of Gold

Saxatile compactum. Golden Tuft. HP. A useful little border and rockery plant growing not over 12 inches high, covered with enveloping flat clusters of bright golden yellow flowers early in summer. Pkt. 10 cts., 1/8oz. 25 cts., 1/4oz. 40 cts.

Arabis . Rock Cress HP

Alpina. A hardy perennial and one of the earliest and prettiest spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequalled for rockeries or edging; withstands the drought and is always neat. Height, 6 to 9 inches. Pkt. 10 cts., 1/4oz. 25 cts., 1/2oz. 40 cts.

Armeria . Sea Pink; Thrift HP

Lauchiana. A very pretty edging plant, bearing rosy pink flowers. Height, 1 foot. Pkt. 15 cts.

Aubrieta . Rainbow Rock Cress HP

Pretty, dwarf-growing plants suitable for the rockery or for the edge of the border. They form masses of silvery green foliage and sheets of various colored flowers in spring and early summer. **Mixed.** Pkt. 15 cts., 1/8oz. 50 cts., 1/8oz. 85 cts.

Blue Lace Flower (*Didiscus coerulea*)

You will be delighted with this easily grown annual. Carried on stems 2 feet long are broad, lace-like heads composed of many delicate light blue flowers. Excellent for garden display and for cutting, bearing a profusion of flowers from June until September. Pkt. 10 cts., 1/8oz. 30 cts., 1/4oz. 50 cts.



Single Annual Chrysanthemum



Hardy Coreopsis (Page 8)

Anagallis . Poor-man's Weather Cress

One of the most charming and conspicuous of our low-growing annual flowers, but must have a sunny place to do well. Growing 8 inches high, the plants spread rapidly and bloom most freely. **Mixed.** Pkt. 10 cts.

Balsam . Lady's Slipper

An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliantly colored, double flowers in the greatest profusion; of easy culture. **Choice Mixed Colors.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

Blanket Flower . Gaillardia

The heads of star-shaped, tufted flowers are greatly admired for their rich blending of red, yellow, and orange. Height, 1½ feet.

Annual Varieties, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 45 cts.

Indian Chief. An elegant, showy single-flowering annual variety with metallic red petals, surrounding a mahogany-brown center. Large and free blooming. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 45 cts.

Hardy Perennials, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 45 cts.

Bachelor's Buttons or Cornflower

(*Centaurea cyanus*)

The new double Cornflowers, or Bachelor's Buttons, make most excellent flowers for both the bouquet and garden. The flowers are double, of good clear colors, and with long, graceful stems for cutting.

Double Blue. Clear cornflower-blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

Double, Mixed Colors. All shades. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., $\frac{1}{2}$ oz. 25 cts.

Chrysanthemum, Single Annual

Blooming profusely from early summer until frost, they are most effective and showy. The bright-colored, daisy-like flowers are useful for cutting, lasting well in water. Height, 1 to 1½ feet.

Single Mixed. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., 1 oz. 45 cts.



Chinese Lantern Plant



Gaillardia

Chinese Lantern Plant (*Physalis Franchetii*) HP

A very highly interesting hardy perennial plant growing 2 feet high, covered with bright orange-scarlet fruits resembling Chinese lanterns. These fruits may be cut and dried for winter bouquets. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts., $\frac{1}{2}$ oz. 70 cts.

Cleome

Pungens (Spider Plant). 5 feet. A showy garden annual producing curious heads of flowers of bright rose; of easy cultivation, blooming until late; a good bee plant. Produces unique effect in the border. Pkt. 10 cts.

Clarkia

Produce erect bushy specimens 2 feet high. The upright branches, slightly drooping, bear quantities of delicately colored double flowers, resembling small carnations, strung axially along the stems.

Double Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 50 cts.



Single Canterbury Bells



Gaillardia—Indian Chief (Page 7)



Long Spurred Columbine

Canterbury Bells HP

Campanula calycanthema. The true Cup-and-Saucer Canterbury Bells. White, Pink, Blue. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 50 cts.

Campanula medium (Single Canterbury Bells). The old-fashioned sorts, with beautiful, large, bell-shaped blossoms. Height, 2 feet.

Mixed Colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., $\frac{1}{2}$ oz. 60 cts.

Centaurea . Silver Leaf Dusty Miller

Low-growing white-leaved perennial varieties, used for ornamental bedding, edging, vases, etc. Height, 12 to 15 inches.

Candidissima. Leaves silvery white, much divided. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 70 cts.

Hardy Coreopsis HP

Lanceolata grandiflora. Beautiful hardy perennials that grow 15 to 18 inches high and produce their golden yellow flowers in great profusion. Easily grown from seed, flowering the first year if sown early. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

Annual Calliopsis

Tall, Mixed. Contains large and small flowered varieties in many bright colors. Height, 2 to 3 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Dwarf, Mixed. Yellow, orange, and mahogany, and tiger-flowered plants of dwarf growth. Height, 15 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Cosmos

Extra-Early Giant, Mixed. Seed sown early will produce plants covered with fine flowers two months before the late flowering kinds. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Double-Crested, Mixed. A new and distinct type of early, large-flowering Cosmos, the center being full double, giving a crested effect. A well-balanced mixture. Pkt. 15 cts., $\frac{1}{8}$ oz. 35 cts.

Early Express Pink. An extra-early Cosmos flowering in from 45 to 50 days from the time seed is planted. Plant grows about 2½ to 3 feet high and is covered with medium-sized bright pink flowers. Pkt. 15 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 65 cts.

Columbine . Aquilegia HP

One of the most popular perennials, easy of cultivation. Very desirable for herbaceous borders and groups among shrubbery.

Long Spurred Finest Mixed. Superb single sorts unsurpassed for beauty and size of flower and with remarkably long spurs. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

Caerulea (Rocky Mountain Columbine). Long-spurred blossoms of a soft lavender-blue and white combination in May and June. Very effective with pinks and yellows. Pkt. 20 cts., $\frac{1}{8}$ oz. 50 cts.

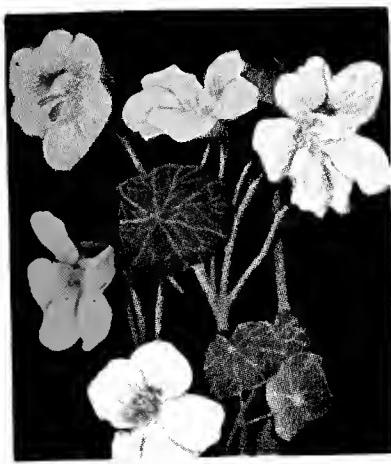
A Rainbow of Color for Your Garden



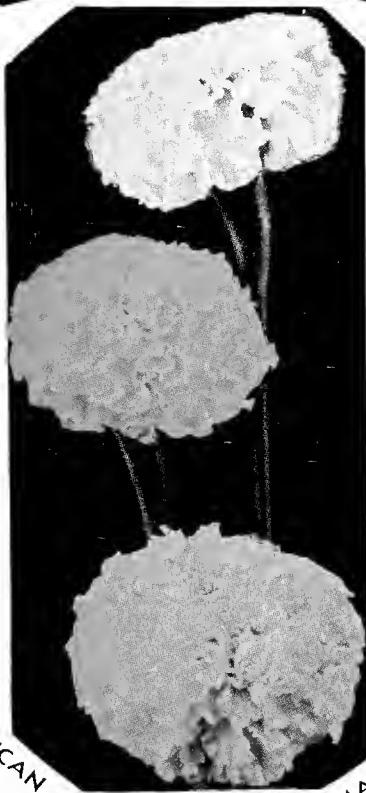
SNAPDRAGONS



STOCKS



NASTURTIUMS



AFRICAN



ZINNIAS

MARIGOLDS



AFRICAN GOLD DAISY

See
Flower
Seed
Section
for Complete
Descriptions
and Prices



SALPIGLOSSIS

Favorite Garden Collection OF HARDY PERENNIAL FLOWER SEEDS



AQUILEGIA



CAMPANULA

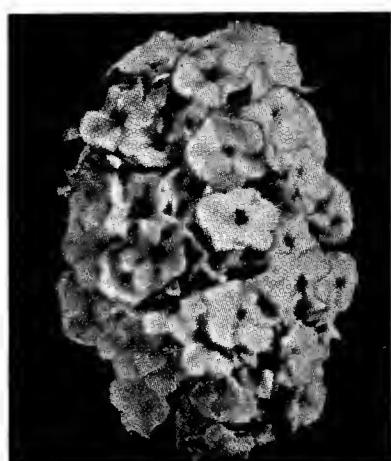


COREOPSIS



PYRETHRUM

These Hardy Perennials
will bloom year after year
in your garden.



PERENNIAL PHLOX

For border plantings, peren-
nials are exceptionally fine.
They are useful as cut flowers
and every one is hardy.



HARDY PINKS

SEE FLOWER SEED
SECTION
FOR COMPLETE
DESCRIPTION AND
PRICES



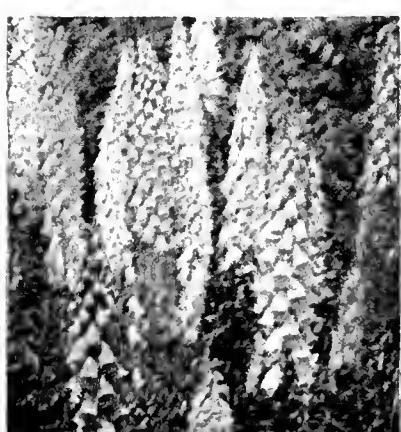
GAILLARDIA



LUPINES



ORIENTAL POPPIES



FOXGLOVE

Cockscomb (*Celosia cristata*)

As showy and attractive an annual as can be imagined. Of decidedly odd appearance, with a tremendous head or comb of velvety finish but of a strawy touch. Good for the garden and for cutting. **Glasgow Prize.** Immense, showy, dark crimson combs. Height, 1 foot. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

Candytuft

A very hardy, easily grown little annual that is a universal favorite for beds and masses. Successive sowings should be made during the summer, while the last sowing in the autumn will produce flowers early in the spring. Height, 1 foot. One packet will sow 15 feet.

Giant Hyacinth-flowered or Improved Empress. The finest of all white varieties. The long, heavy spikes of large flowers resembles a white hyacinth. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Mixed Colors. A special mixture we make up of a number of separate colors, assuring a well-balanced assortment. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts.

Hardy Candytuft (*Iberis*)

The Iberis or Candytuft is very desirable for the hardy perennial border, growing 1 foot high, with mixed flowers. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 60 cts.

Carnation, Chabaud's Giant Double HP

They excel any strains we have ever seen. Coming into flower in four to five months after planting the seed, they continue to bloom the remainder of the summer until frost. Plants are of robust, upright habit. They form ten to twenty stalks bearing huge flowers comparing with the finest greenhouse-grown varieties. Highly scented.

Finest Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

Calendula . Pot Marigold

Campfire (Sensation). A truly sensational variety. The very double, brilliant orange flowers have a delicate crimson or scarlet sheen. Their characteristic flatness accentuates their unusual size. They are borne on long stems of good cutting length. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Ball's Gold. The finest and largest double bright yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Orange King. An extra-fine strain of this splendid, double rich orange-red variety, producing flowers over 3 inches in diameter. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts., 1 oz. 60 cts.

Mixed, All Double Sorts. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts.

Cynoglossum

Chinese Forget-me-not

An annual of the easiest culture, forming strong, bushy plants 1½ feet high and producing sprays of intense blue and white forget-me-not-like flowers throughout the summer. Sow outdoors in May. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts.

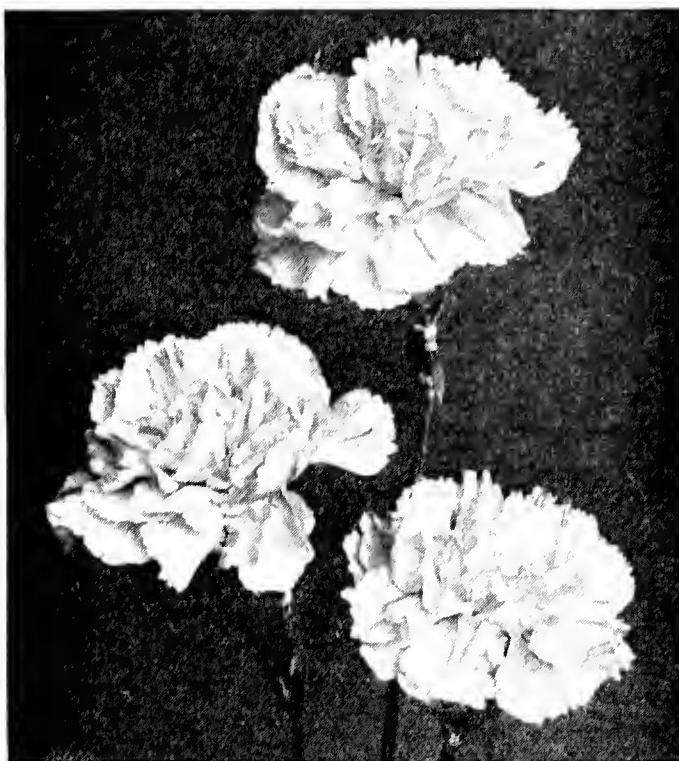
You can't grow crops year in and year out unless you put back into the soil the plant-food elements removed by each season's crop.

Sacco and Vigoro Plant-Food Makes Things Grow

These Plant-Foods are specially prepared fertilizer that supplies every necessary element for healthy plant-growth—Nitrogen, Phosphates, and Potash combined in exactly the right proportion. They produce truly amazing results with few applications. See page 55 for prices, etc.



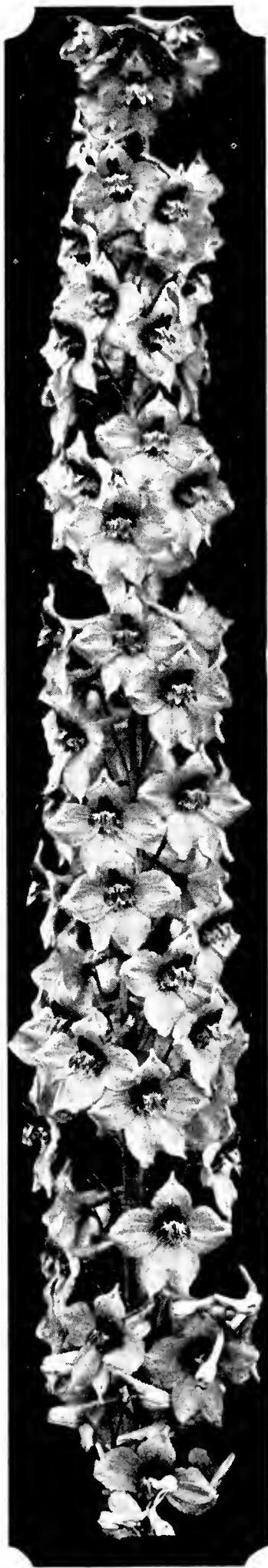
Candytuft



Chabaud's Double Carnation



Calendula



Delphinium

Marguerite Carnation

An improved, large flowering strain of Pinks, flowers are very fragrant.
Mixed Colors. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 50 cts.

Castor-Oil Bean . Ricinus

Plants of stately growth and picturesque foliage, brilliant colored fruit, producing an oriental effect. Height, 8 to 12 feet. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts.

California Poppy . Eschscholtzia

Eschscholtzias are among our most beautiful and popular annuals, being of the easiest culture. Sow the seed where the plants are to remain. Height, 1 foot.

New Hybrid, Mixed. This mixture has been saved from a number of new sorts of wonderful colorings, including old-gold, fire-red, cream, and many other rich and unusual tones. Pkt. 10 cts., $\frac{1}{8}$ oz. 15 cts., $\frac{1}{4}$ oz. 25 cts., oz. 90 cts.

Aurantiaca. Rich golden orange. This is the true California Poppy that the tourists rave so much about. It is, perhaps, the most desirable where one color is wanted. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts.

Cardinal Climber

(*Ipomoea quamoclit hybrida*)

A brilliant and beautiful climber, growing rapidly and attaining a height of 30 feet. Foliage fern-like; flowers cardinal-red, 1½ inches across. Soaking the seed or notching the seed-coat will hasten germination. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 35 cts.

Single Dahlia

Very free flowering. Choice mixed colors. Pkt. 10c, $\frac{1}{4}$ oz. 25c.

Delphinium . Hardy Larkspur HP

One of our most showy and useful hardy perennial plants, possessing almost every requisite for the adornment of the garden, producing splendid spikes of flowers in profusion throughout the summer.

Belladonna. This is one of the most free and continuous blooming varieties. Immense spikes of lovely pale blue. Height, 4 feet. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

Bellamosa. A very dark blue variety of particular value for deliberate dark blue mass effect, and a striking contrast in connection with the azure shade of belladonna. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

Gold Medal Hybrids. Plants vigorous, free-blooming, with flower-spikes 2 feet long. Grand assortment of colors in mixture, ranging from lightest blue to purple. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{8}$ oz. 35 cts.

English Daisy (*Bellis perennis*) H. HP

Dwarf, early spring-blooming favorites; very double. Fine for borders, requiring partial shade in hot weather. Height, 4 inches.

Finest Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

We sell only the best grade of seed, tested for purity and vitality—put up in liberal quantity in beautifully colored lithographed packets with reliable directions for culture. Garden flowers in color, see description, page 12.

To germinate fine vegetable and flower seed, sow seeds on top of ground, press into the soil, put a damp burlap bag over the seed. Do not allow it to dry out; keep moist. Remove bag when seeds are up.

Dianthus . Pinks

A most satisfactory class of flowers, easily raised from seed, which are in constant bloom the entire season; fragrant.

Hedgewigi (Single Japan Pink). Finest single-flowered. **Mixed.**

Hedgewigi fl. pl. (Double Japan Pink). Colors varying from the richest crimson to the most delicate rose. **Mixed.** Pkt. 10 cts.

Chinensis (China or India Pink). Single flower of bright colors.

Chinensis fl. pl. (China or India Pink). Flowers very double and of many bright colors.

Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

Forget-Me-Not (*Myosotis palustris*) HHP

Beautiful little half-hardy perennials with star-like flowers. Blooms the first year from seed. Succeed best in a shady situation. Height, 6 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Four o'Clock (*Marvel of Peru*)

A well-known garden favorite of bushy habit bearing, during the season, hundreds of white, yellow, crimson, and violet flowers. Height, 2 feet. **Fine Mixed.** Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts.

Foxglove . Digitalis HP

Handsome and highly ornamental, hardy perennial plant, of stately growth and varied colors. Height, 3 feet. (See illustration.)

Fine Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 45 cts.

GAILLARDIA. See Blanket Flower.

Geum HP

Mrs. Bradshaw. An attractive perennial, growing 2 feet tall and bearing double orange-scarlet flowers during summer. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

Gypsophila . Baby's Breath

Annuals and early-flowering perennials, bearing graceful panicles of small flowers that are elegant for cutting and for bunching with other flowers.

Elegans alba grandiflora. An improved form of the annual Baby's Breath. Pure white, large flowers. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts.

Rosea. Annual, Rose-colored flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Paniculata. HP. White single flowers, fine for bouquets; hardy perennials. Blooms first year if sown early. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 50 cts.

Paniculata flore-pleno. HP. The double-flowering form that is dried and used in winter bouquets. This is the best strain, giving 65 per cent double flowers from seed. Pkt. 15 cts., $\frac{1}{8}$ oz. \$1.

Gourds

Ornamental Varieties, Mixed. Includes a great number of interesting and diverse forms. Pkt. 10 cts., oz. 20 cts.

Hollyhock HP

Chater's Superb Double Mixed. Hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers. Height, 6 to 7 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

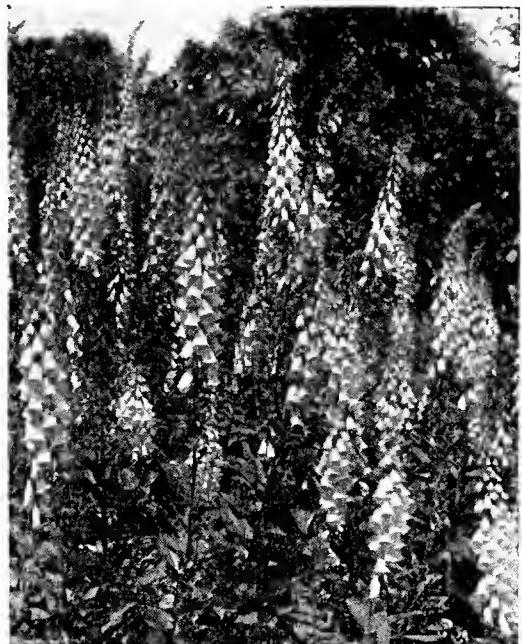
Single Mixed. Probably the most showy of the many good old-fashioned flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts.

Honesty . Lunaria (*Moonwort; Satin Flower*)

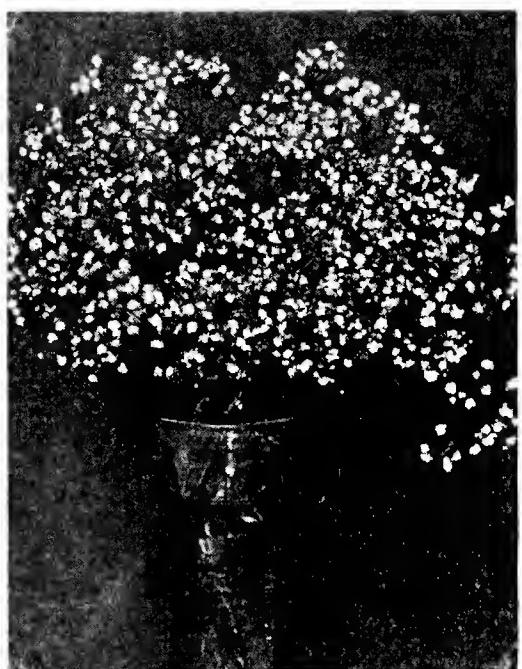
Biennis. Hardy biennials, but grown as annuals. Admired for their silvery seed-pouches which are used for house ornaments. Height, 3 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 35 cts.

Helianthemum . Sun Rose HP

Mutabile. An excellent, dwarf, creeping perennial for dry soils. Flowers in rose, pink, and white during May and June. Hardy and free blooming. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 35 cts.



Foxglove



Gypsophila



Helianthemum

Heuchera (Coral Bells or Alum Root) HP

Sanguinea. The flowers are of a rich, bright coral-red color, 30 inches high. Pkt. 25 cts., $\frac{1}{16}$ oz. 65 cts., $\frac{1}{8}$ oz. \$1.50.

Hyacinth Bean . Dolichos

Rapid-growing climber, bearing a profusion of bean-like flowers. **Mixed.** Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts.

Ice-Plant

(*Mesembryanthemum*)

Crystallinum. The leaves appear as if covered with a coating of thin ice. This annual plant is grown as a ground cover and is particularly suited for the rock-garden or hanging-baskets. The small, inconspicuous flowers are either white or light pink. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Kudzu Vine (Jack-and-the-Bean-Stalk) HP

Pueraria Thunbergiana. It will attain a height of 8 to 10 feet the first season. When once established it may grow from 40 to 50 feet in a season. Large, bright green leaves with small clusters of rosy pea-shaped flowers. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts.

New Annual Larkspur

Empress Rose. A rich rhodonite-pink changing to hermosa-pink with no trace of mauve. This magnificent new strain is a double, everblooming, super-branching Larkspur and grows over 6 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Lustrous Carmine. Bright red. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Annual Larkspur, Mixed Choice Colors. Fine for cutting. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Lobelia

A most excellent and useful genus of annual plants, easy of culture and well adapted for bedding. Nine inches high. Blue. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

Cardinalis or Cardinal Flower HP

Spikes of fiery scarlet flowers 2 feet high. Pkt. 15 cts., $\frac{1}{16}$ oz. 70 cts.

Syphilitica or Great Blue Lobelia HP

Spikes of blue flowers streaked in white. 3 feet high. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

A Few Good Books Which Will Help You

VEGETABLE GARDENING. By R. L. Watts. This complete, concise, and authentic book covers every phase of vegetable gardening. 511 pages. Cloth. \$2.75, postpaid.

ROADSIDE MARKETING. By Gilbert S. Watts. Increase your profits from the roadside market. Information on structures, packing, grading, displaying, managing, and advertising. 126 pages. Cloth. \$1.25 postpaid.

THE BOOK OF ANNUALS. By Prof. Alfred C. Hottes. A reliable guide through the season of annual bloom. Over 100 separate species are described with full directions for their culture and uses. 182 pages. Cloth. \$1.65, postpaid.

A LITTLE BOOK OF PERENNIALS. By Prof. Alfred C. Hottes. Devoted to the general principles of growing, using, selecting and propagating perennials. 200 pages. Cloth. \$2.00, postpaid.

1,001 GARDEN QUESTIONS ANSWERED. By Prof. Alfred C. Hottes. Every problem confronting the home-gardener is satisfactorily answered. Covers flowers, fruits, vegetables, the home grounds, etc. Cloth. \$2.15, postpaid. Paper bound. \$1.10, postpaid.

GARDEN GUIDE. A book for gardeners everywhere, giving direct, simple and reliable information on how to grow fruit, vegetables and flowers. Illustrated. 384 pages. Cloth. \$1.65, postpaid.

ROCK GARDENS. By F. F. Rockwell. How to build a rock garden on a small or large scale at little expense. 86 pages. Cloth. \$1.00, postpaid.

Catalogue of Books on Request

Linaria . Kenilworth Ivy HP

Cymbalaria. An excellent perennial plant with small, bright green leaves and attractive little lilac-blue flowers. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 75 cts.

Linum or Flax HP

Sibiricum. Large, beautiful, light blue flowers. The attractive blooms last only for one day, but they are borne continuously for many weeks. The plants grow from 15 to 24 inches tall. Pkt. 10 cts., $\frac{1}{4}$ -oz. 20 cts., $\frac{1}{2}$ oz. 35 cts.

Grandiflorum Rubrum. Fine foliage and delicate stems, with brilliant scarlet-crimson flowers; hardy annual; 15 inches. Pkt. 10 cts., $\frac{1}{4}$ -oz. 20 cts.

Unique among Garden Books

Each magnificent color photograph is accompanied by a brief description with condensed, practical directions.

GARDEN FLOWERS IN COLOR

320 pages; $6\frac{1}{4}$ x $9\frac{1}{4}$ inches;
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Lupine



Lantana



Lychnis

Lupinus . Lupine

Lupines are showy plants, a little out of the ordinary, with handsome, conspicuous flowers, borne in terminal racemes, somewhat resembling the sweet pea. Do not attempt to transplant the annual sorts.

Hartwegi, Annual, Finest Mixed. Choice assortment of colors. Height, 2 feet. Pkt. 10 cts., 1/2oz. 25 cts.

Polyphyllus, Hardy Perennial, Finest Mixed. Various shades of Pink, Purple, Blue, and White. If sown early will bloom the first season. Height, 3 feet. Pkt. 10 cts., 1/2oz. 25 cts. (See illustration.)

Lantana

Hybrida, Mixed. Shrubby plant with verbena-like flowers in shades of white, red, and yellow with an agreeable aromatic perfume. May be grown in pots or set out in summer. Remains in bloom late in autumn. Height, 2 feet. Pkt. 10 cts., 1/4oz. 30 cts. (See illustration.)

Lychnis HP

Chalcedonica (Maltese Cross). Bright scarlet flowers of maltese cross form, usually in medium-sized flat umbels. Handsome for beds and borders. Of easy culture, growing in any rich garden soil, blooming the first year if sown early. Height, 2 to 3 feet. Pkt. 10 cts., 1/4oz. 25 cts., 1/2oz. 40 cts.

Marigold

Guinea Gold. Without question the glorious and most lovely of all Marigolds. The richest, purest orange-gold color. 2 to 2 1/2 feet high. Pkt. 15 cts., 1/8oz. 50 cts.

Giant African, Double. Height, 3 feet. All shades of yellow. **Finest Mixed.** Pkt. 10 cts., 1/4oz. 25 cts.

French Dwarf, Double, Mixed. Pkt. 10 cts., 1/4oz. 25 cts.

Mexican Fire-Bush or Summer Cypress (*Kochia*)

An easily grown annual which forms a cypress-like hedge, with feathery green foliage. At the approach of autumn the foliage turns to a deep red color. Height, 2 to 3 feet. Pkt. 10 cts., 1/2oz. 20 cts.

Matricaria . Double Feverfew

Parthenoides capensis plena. Free-flowering plants producing, all season, fine, densely double, button-like blossoms in white and yellow. Height, 10 to 12 inches. Pkt. 10 cts., 1/4oz. 30 cts.

Mignonette, Sweet-scented

Valuable on account of its fragrance. Sow in succession during the summer. Pkt. 10 cts., 1/4oz. 20 cts., 1/2oz. 35 cts.

SPRAY THE BUGS—SAVE THE FLOWERS



Marigold

Double Sweet Scented Nasturtium

Golden Gleam. A sensational novelty in Nasturtiums inasmuch as it is the first double flowering variety to be successfully grown from seeds.

The plant forms a vigorous, large bush which throws out short runners, averaging eighteen inches. The large, golden-yellow flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length.

An ordinary sized bouquet, when allowed to remain in a room for a short period of time will fill the room with fragrance. Pkt. 15 cts.



Platycodon



Pyrethrum—Painted Daisy

Morning-Glories

Fine for covering fences and trellises on account of their rapid, luxuriant growth. They bloom freely. **Japanese Imperial.** Flowers of immense size in a great variety of colors. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts.

Nigella . Love-in-a-Mist

Lovely garden annuals, with finely cut green foliage, and curious-looking flowers and seed pods.

Damascena. Blue; double. Height, 1 foot. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts.

Nicotiana . Flowering Tobacco

Affinis. New hybrids. The plants average $2\frac{1}{2}$ feet in height and bloom profusely in shades of rose, red, crimson, and creamy white. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Nasturtiums

Our Gilt-Edge Mixtures are especially rich in brilliant colors, large flowers and free-blooming.

Tall or Climbing, Choicest Mixed.

Tom Thumb Dwarf, Choice Mixed.

$\frac{1}{2}$ oz. 10 cts., oz. 15 cts., 3 ozs. 35 cts., lb. \$1.25.

Phlox Drummondi

One of our finest hardy annuals; easily grown from seed. Often reseeds itself the following year.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Starred and Fringed. This lovely type is quite a unique departure from the ordinary Phlox in that the flowers are artistically starred and fantastically fringed. Includes pink, rose, and various shades of red. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

Hardy Perennial Phlox (*P. Decussata*)

Hardy herbaceous perennial and quite distinct from the varieties of Phlox Drummondi offered above, which are annuals. The seed is supplied in mixture only. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts.

Pentstemon . Beard Tongue HP

Gloxinioides. Very showy plants growing from 2 to 4 feet high, rather bushy, with very long, slender spikes bearing many trumpet-shaped flowers with hairy throats, hence the name "Beard Tongue." Pkt. 15 cts., $\frac{1}{16}$ oz. 35 cts., $\frac{1}{8}$ oz. 55 cts.

Platycodon . Balloon Flower HP

The unopened buds resemble miniature balloons, opening up as deep-throated, $1\frac{1}{2}$ to 2-inch bells. Plants grow 2 to 3 feet high and bloom profusely.

Mixed. Blue and white. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Pyrethrum . Painted Daisy HP

Roseum. Showy plants that bloom the first season if seed is sown early. Flowers single, daisy-like and double globular, 2 to 3 inches across, white, rose, crimson, and scarlet. The foliage is fine-cut and ferny. Height, 2 ft. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.

Portulaca . Moss Rose

Dwarf-growing plants of easy culture, thriving best in a light, sandy soil and a sunny situation.

Single Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Double Mixed. Unsurpassed for brilliancy. A wide range of colors—orange, red, and white. Pkt. 10 cts., $\frac{1}{16}$ oz. 30 cts., $\frac{1}{8}$ oz. 50 cts.



Petunia—Giants of California

Petunias . Giants of California

Giant-flowered Ruffled Varieties. Vigorous growers of semi-trailing habit, with flowers which often measure 4 inches across. Many light shades, mostly with blotches and pencil-markings of a different color in the throat. A superb strain. Pkt. 25 cts. 1/32oz. \$1.25. (See cut.)

Balcony Petunias

These large and beautiful Petunias were bred to produce a wealth of bloom when grown in porch or window-boxes, or garden vases; when grown in beds or borders they produce pleasing, striking effects.

Blue, Rose, White and Red. Each, Pkt. 15 cts.

Above 4 Balcony Petunias for 50 cts.

Balcony Choice Mixed. Pkt. 15 cts., 1/8oz. 75 cts.

Rosy Morn. Light carmine-pink. Popular for porch-boxes and borders. Pkt. 10 cts., 1/8oz. 60 cts.

Double Petunia, Fancy Fringed

An excellent, carefully hand-pollinated strain, yielding a large percentage of plants having double, finely fringed flowers. Embraces a splendid variety of colors and many beautiful combinations. The seed of this is extremely costly. Small pkt. 35 cts.

Howard's Star Improved

This improved strain produces somewhat larger flowers than others in this class. The plants bear a profusion of blooms that have a five-pointed white star on a purple-crimson ground. It has a tendency to vary. Pkt. 15 cts., 1/8oz. 30 cts., 1/8oz. 50 cts.

Single Bedding Petunias

Everyone has room for some Petunias, either in porch- or window-boxes, beds, borders, or rockeries.

Choice Mixed. Pkt. 10 cts., 1/8oz. 25 cts., 1/4oz. 40 cts.

Pansies

Large-flowering Mixed. A great diversity of colors. Pkt. 10 cts., 1/8oz. 40 cts.

Giant-flowering Mixed. This mixture is composed of giant-flowering sorts having many of the colors and different patterns found in the named varieties both as regards to size, texture and colorings. Pkt. 25 cts., 1/8oz. 50 cts.

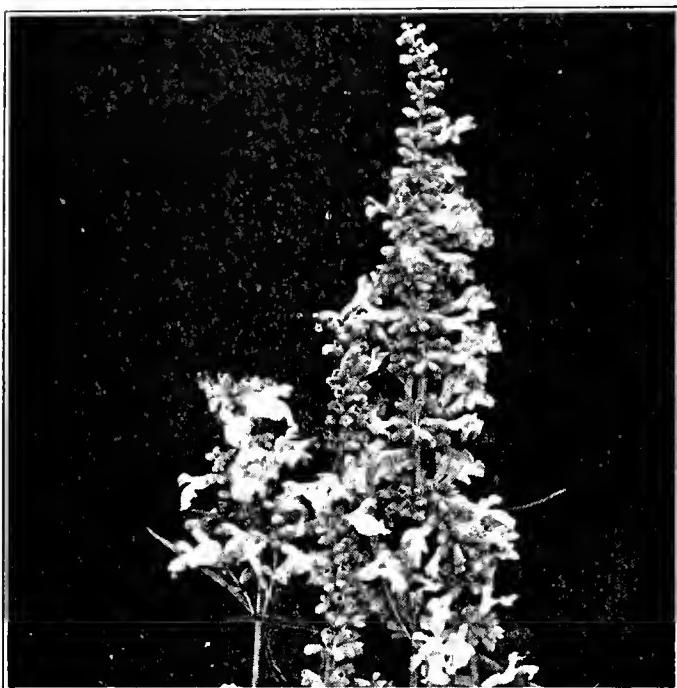
Tufted Pansies . Violas

While the flowers of the Tufted Pansies are not so large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time.

Cornuta Mixed. A splendid mixture of the best varieties. Pkt. 10 cts., 1/8oz. 35 cts., 1/4oz. 60 cts.



Tufted Pansies—Violas



Salvia (Scarlet Sage)



Sweet Sultan (Centaurea)



Oriental Poppies



Snow-on-the-Mountain

Perennial Poppy HP

Oriental. The big, bright scarlet, Decoration Day Poppy. A hardy perennial form bearing immense single flowers in spring. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Choicest Mixed. Those who wish a lot of fine colors should plant this large flowering mixture. It includes many bright shades as found in the Oriental Poppies. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts. (See cut.)

Nudicaule (Iceland Poppy). Here is a hardy type of Poppy which slightly resembles the delicately formed annual Shirley sorts, though they are somewhat different in habit and contain many shades of yellow and orange which are foreign to their shorter lived annual cousins. 18 inches high. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Annual Poppy

Carnation-flowered. 2 feet high. Flowers of large, globular form, with slashed or fringed petals.

Mixed Colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., $\frac{1}{2}$ oz. 25 cts.

Shirley. An improved strain of Poppies, varying in color from pure white to rosy carmine and deep crimson in mixture. **Mixed Colors.** Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., $\frac{1}{2}$ oz. 25 cts.

Salvia . Scarlet Sage

This popular and showy bedding plant should be started either in the house or in hotbeds.

Bonfire. Compact, bushy plants, 2 feet high, producing erect spikes of brilliant scarlet flowers. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 90 cts.

Splendens. Tall-growing plants. Height, 3 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Scarlet Runner Bean

A rapid climber, 10 to 15 feet high, flowering profusely. Pkt. 5 cts., oz. 10 cts., 3 ozs. 25 cts.

Snow-on-the-Mountain (*Euphorbia variegata*)

A bushy plant with insignificant flowers, but whose broad green leaves are heavily margined with silvery white. Height, 2 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts. (See cut.)



THE GARDEN

A few seeds in suitable soil and fertilizers with occasional showers and good cultivation should insure success to the Home Garden, for "Gardening is an art which does mend Nature, but the Art itself is Nature."



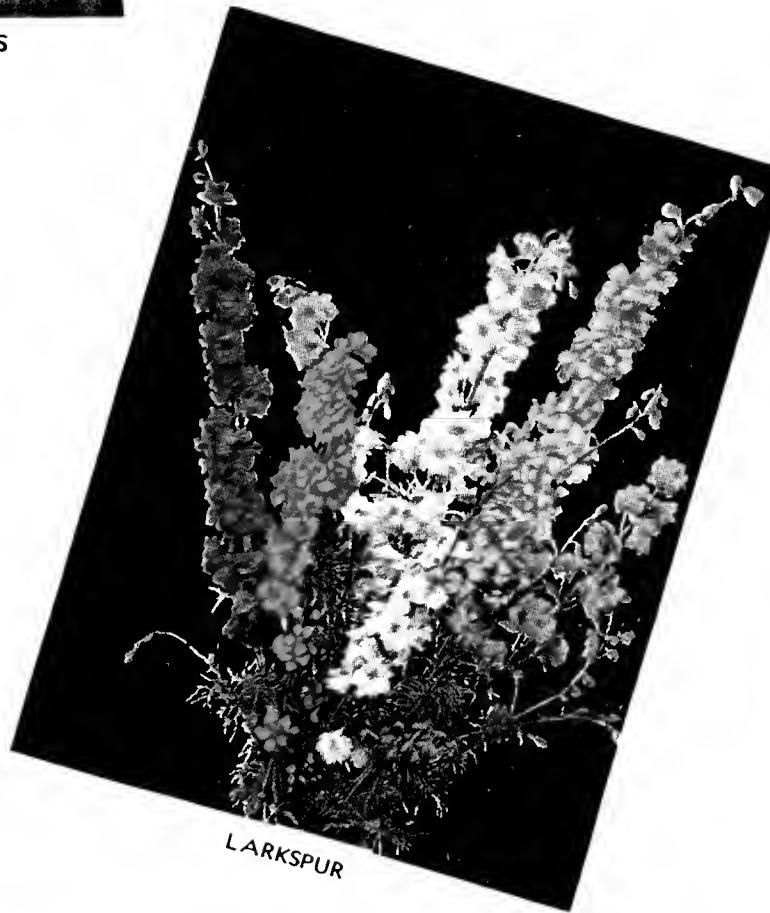
PANSIES

THE LAWN

Forming the foreground of the home picture, the lawn fulfills its greatest mission; the smooth, velvety greensward is an ideal setting in the general color scheme, unifying the trees and shrubbery with the distant view. Should we not, therefore, make it with solicitous care?



SCHIZANTHUS



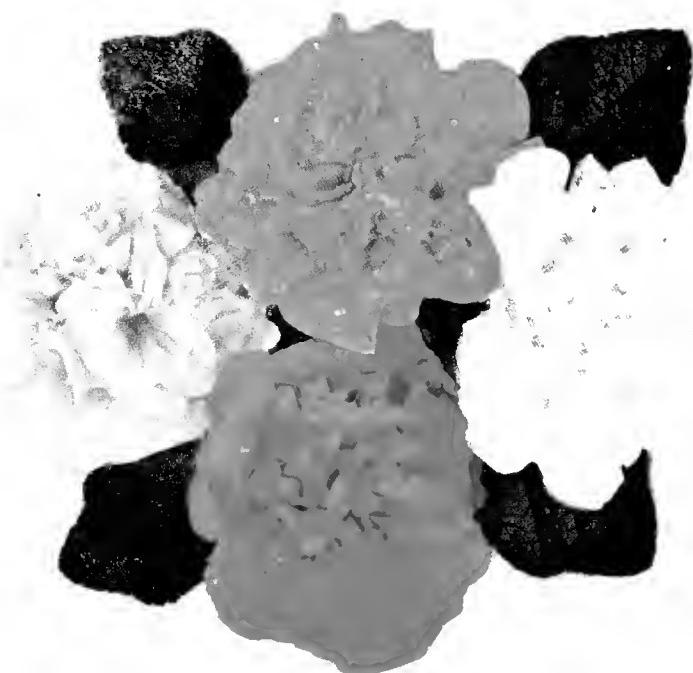
LARKSPUR



HYBRID DELPHINIUM

The most stately and gorgeous of perennials.

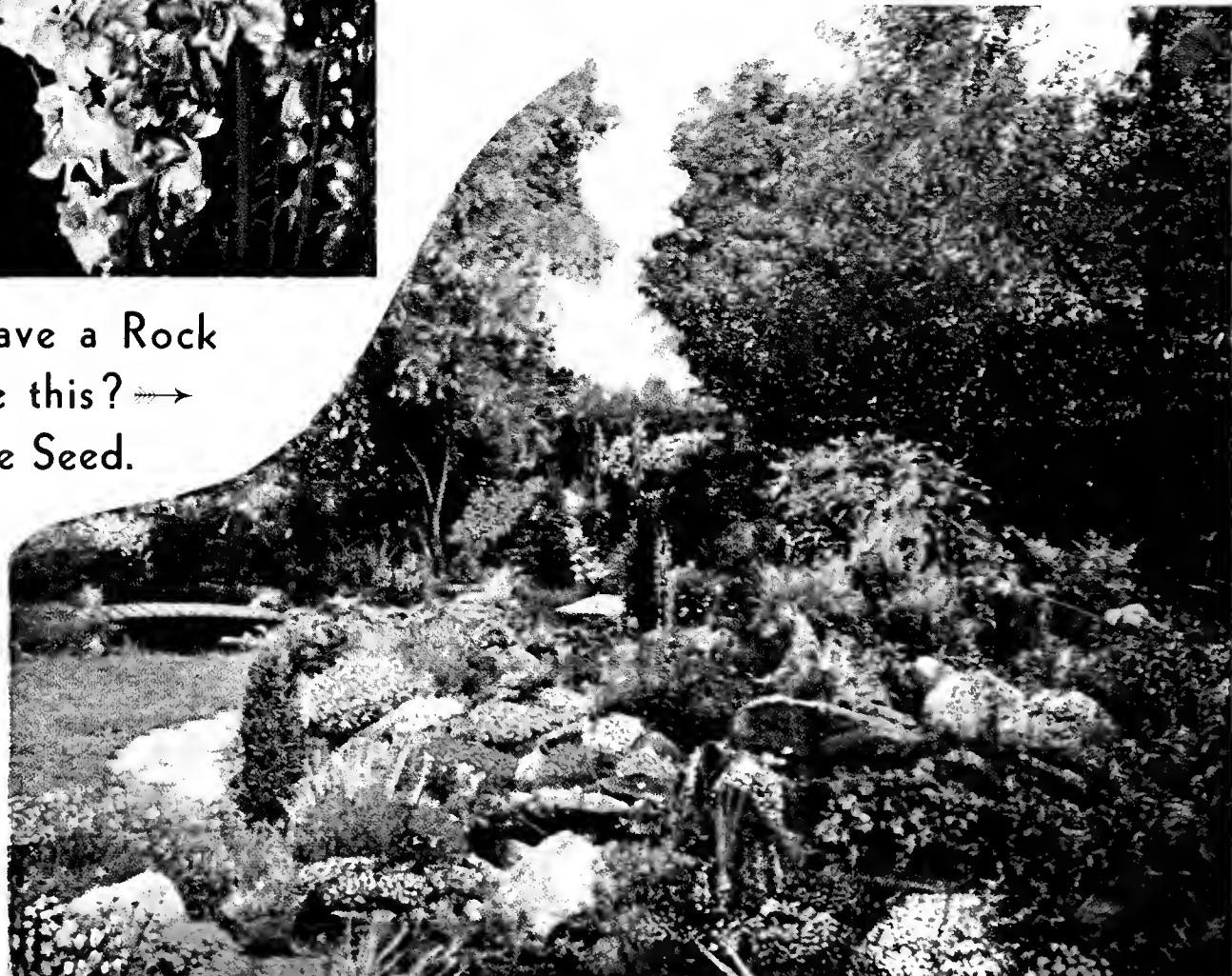
We offer a selected strain that is
exceptionally tall, very full and
in a wide range of colors.



HOLLYHOCKS

Always good growers; very colorful.

Why not have a Rock
Garden like this? →
We have the Seed.



Schizanthus . Butterfly Flower

Large-flowered Hybrids. Compact, bushy plants, covered with exquisite little butterfly-like flowers in many different colors. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Statice . Sea Lavender

Sinuata. Perhaps the prettiest of the various Everlastings. They are just as decorative in the garden in the summer as in the house in winter, with their long sprays of bright-colored paper-like flowers. The seeds are in the dried flower-heads which should be planted without separating, laying them flat instead of upright. **Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 30 cts.

Shasta Daisy HP

Alaska. For a midsummer white we know of nothing that is really more satisfactory than the Shasta Daisy. Alaska is a very large-flowering strain, the blooms measuring 4 to 5 inches across, with broad overlapping petals of purest white. One packet sows 12 feet of row. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Large-flowering Salpiglossis (Painted Tongue or Velvet Flower)

A free-flowering annual, succeeding best in cool, moist soils. The large flowers are most vividly spotted and striped on ground-colors of deep blue, rose, velvety yellow and reddish bronze. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 50 cts. (See cut.)

Giant Snapdragon . Antirrhinum

Few flowers equal the Snapdragons for brilliancy of color, and because of this they are among our most showy and useful border plants. The new varieties are so far superior to the old-time Snapdragon that really there is no comparison. The blooms are very much larger, are better shaped, and far more brilliantly colored. The plants bloom very freely over a long period.

Giants, Special Mixture. Embraces a magnificent assortment of the finest new varieties. Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 60 cts. (See cut.)

Early Giant Imperial Stocks

A recently developed strain of early-flowering Stocks, forming much-branched plants about 2½ feet high and having numerous spikes of very large, double, delightfully fragrant flowers. If sown in February or March, will produce plants that will bloom out-of-doors from midsummer till frost. **Finest Mixed.** Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

Strawflower or Everlasting Flower

(*Helichrysum*)

Much prized for durable bouquets and winter decoration. To dry, gather flowers when partly unfolded and hang, heads down, in a cool place. **Giant-flowering, Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts.

Sweet Sultan (*Centaurea imperialis*)

Blooms of exquisite texture, possessing a delightful fragrance. The plants grow 2 feet tall and bear a profusion of elegant, long-stemmed flowers. Our mixture includes all the lovely colors belonging to this type. (See cut page 7.)

Finest Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.



Snapdragon



Salpiglossis



Early Flowering Spencer Sweet Peas

Spencer or Orchid-flowered Sweet Peas

The best of the old-fashioned or Grandiflora varieties are now quite overshadowed by this wonderful type, which are quite distinct, having large, round, open flowers of extraordinary size, usually measuring 2 inches across, with wavy standards and wide-spreading wings, a very large percentage bearing four of these immense blossoms to the stem, which is long and strong, making them of exceptional value for cutting. All the sorts offered below have been thoroughly tested and are very superior in every respect.

New Early-flowering Spencer Sweet Peas

These new varieties come into bloom three to four weeks earlier than late Spencers, and therefore should be well in flower before our summer heat arrives. Vines are less branching than those of the later type. The blossoms are larger and beautifully waved, of perfect Spencer form, borne three and four on extra-long stems. The most popular of all Sweet Peas.

Glitters. Fiery cerise.

Harmony. Best clear lavender

Miss Louise Gude. Clear rose-pink.

Mrs. Kerr. Orange-salmon.

Snowstorm Improved. Best pure white.

Each, pkt. 10 cts., 5 pkts. 35 cts., oz. 30 cts.

Early-flowering Spencer Mixture Sweet Peas

It is impossible to make a better blend of colors than this even at much higher prices. In quality unsurpassed and very popular with our customers. Pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., 1/4 lb. 60 cts.

Inoculate Sweet Pea Seed with Nodogen. It Insures Germination and a Stronger Growth.

Sometimes Sweet Pea vines are troubled with lice (*Aphis*). Spraying with Red Arrow or "Black Leaf 40," kills them quickly and does not injure the flowers.

Our seeds are put up in liberal size, colored lithographed packets, with careful cultural directions on each packet.

Summer Flowering Spencer Sweet Peas

Austin Frederick. A giant-flowered lavender.

Avalanche. Very large white.

Charity. Deep rich crimson; best of its color.

Celebrity. Bright orange.

Daffodil. Large very deep primrose.

Fiery Cross. Bright orange cerise.

King Manoel. Giant maroon.

Margaret Atlee. Apricot-pink on a cream ground.

Mary Pickford. Creamy salmon pink.

Mrs. Tom Jones. Delphinium-blue.

Picture. Flesh-pink, suffused apricot.

Pinkie. Mammoth deep rose-pink.

Powerscourt. Large lavender.

Royal Purple. Rich royal purple. Most distinct.

Tangerine Improved. A wonderful glowing orange.

Welcome. Brightest scarlet.

Each of above carefully selected varieties, large pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts.

Summer Flowering Spencer Mixture Sweet Peas

Blended from only the Giant Waved Spencer varieties. We are sure this mixture will give absolute satisfaction. Large pkt. 10 cts., oz. 15 cts., 2 ozs. 25 cts., 1/4 lb. 50 cts., lb. \$1.50, postpaid.

It requires one ounce of Sweet Peas to sow 10 feet of single row.

Sweet William (*Dianthus barbatus*) HP

These make wonderful border plants, with heads of bloom of great size and wonderful beauty. Our mixture combines many rich and beautiful colors.

Newport Pink. A lovely new variety with large single flowers of a rich salmon-pink color. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 60 cts.

Single. The fine rounded trusses 3 or 4 inches across of these sorts are composed of many fine disc-like flowers gayly colored and marked. **Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{2}$ oz. 35 cts. (See cut.)

Double. Quite similar in habit and form to the single type but the trusses are made up of many dainty double blossoms. Less showy than the single sorts but longer in flower. **Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.

Sweet Wivelsfield

Annual Sweet William. Wealth of color and long blooming season. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Large-flowered Double Scabiosa**Mourning Bride . Pin-Cushion Flower**

These beautiful hardy annuals are in great demand. They grow about $2\frac{1}{2}$ feet high. We highly recommend these new hybrid Scabiosas to all growers, at least to the extent of planting a bed. We are offering a collection of six distinct new hybrid varieties. **Choice mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Scabiosa (Blue Bonnet) HP

Caucasica. An excellent hardy perennial, good for garden display and for cutting. The large, pleasing lavender-blue flowers are borne profusely on fine long stems. The plants grow about 2 feet tall and are perfectly hardy. Pkt. 15 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{8}$ oz. 55 cts., $\frac{1}{4}$ oz. 95 cts.

Sunflower . Helianthus

Double Chrysanthemum-flowered. Rich, golden yellow flowers, perfectly double, resembling a chrysanthemum or dahlia. Pkt. 10 cts., oz. 35 cts.

Tunica HP

Saxifraga. The plants make a spreading growth and form thick tufts which are covered with small delicate rose blooms. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Valerian . Garden Heliotrope HP

Hardy, perennial border plants; large, fragrant flowers having a fragrance resembling that of the heliotrope. **Mixed.** Height, 2 to 3 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Verbena

An excellent annual for beds and massing, and for a gorgeous display during the summer months it cannot be excelled. **Mammoth Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Xeranthemum

A charming Everlasting with blooms in white, various shades of pink, rose, and red. 2 feet tall. **Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.



Scabiosa Caucasica



Imperial Stocks (Page 17)



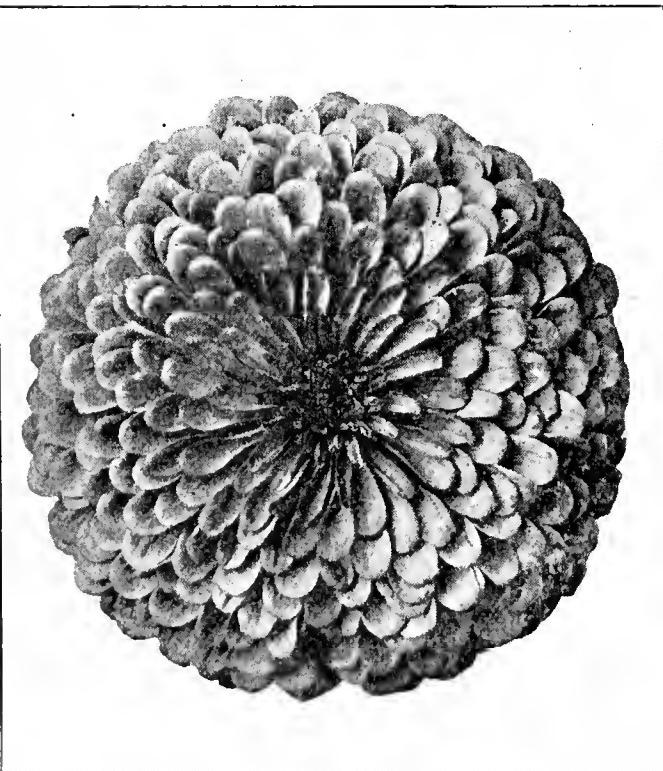
Sweet William Single



Verbena Mixed (Page 19)



Siberian Wallflower



Zinnia Dahlia-flowered Mixed

Siberian Wallflower HP

(Cheiranthus Allioni)

Very pretty dwarf hardy biennial plants, usually handled as annuals, flowering freely through the summer. For early spring flowering, sow in late summer. Splendid for rockery. Plants grow about 1 foot high, with heads of brilliant orange flowers. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Annual Wallflower

Early Wonder. New Double. This remarkable new Wallflower comes into bloom within 5 months from sowing. The plants grow about 2 feet high with heavy center spike thickly covered with large double blossoms, followed by many side branches; delightfully fragrant. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

Early Forcing. The earliest blooming, single-flowered varieties. **Single Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 30 cts.

Wild Flower Garden

A most interesting way in which to grow flowers is to reserve a portion of the garden for a Wild Flower Garden and sow mixed seed thickly in it. For this purpose we offer a collection of easily grown seeds which will furnish a profusion of bloom throughout the season, without the attention necessary for more formal plantings. This mixture is valuable for sowing in bare spots, along fences and on embankments and will convert many an unsightly spot into a place of beauty. Large pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Double Lilliput or Pompon Zinnias

A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small densely double flowers on long stems, held well above the foliage. Makes a good line or bed and are of more than usual value for cutting. **Canary Yellow, Golden Gem, Salmon Rose, Scarlet Gem, White Gem, and Finest Mixed of above colors.** Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 55 cts.

Double Dahlia-flowered Zinnias

This type, the latest development in Zinnias, bears flowers of mammoth size and in form like a perfect decorative dahlia. As the result of continued painstaking care and selection, the size, form, and coloring have been much improved and we now offer seven beautiful and distinct varieties.

Exquisite. Pale rose, deeper center.

Purple Prince. Fine deep purple.

Crimson Monarch. Largest and best red.

Oriole. Immense; orange and gold.

Canary Bird. Fine; large; primrose.

Meteor. Deep rich glowing red.

Polar Bear. The best large pure white.

Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Dahlia-flowered Mixed, from the varieties named above. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 50 cts.

To have large plants, perennial seeds are best sown in May, June, and July, unless otherwise noted. Forget-me-nots, English Daisies, Hollyhocks, Sweet Williams, and Pansies are best sown in August, in order to have plants not too large for handling.

We sell only the best grade of seed, tested for purity and vitality—put up in liberal quantity in beautifully colored lithographed packets with reliable directions for culture.

Gladiolus

The Glad Flower in all its Glory

Distinct Varieties of Recent Introduction

Carefully Selected as to Quality

- Albatross.** Large pure white flowers.
Betty Nuthall. Orange pink, very beautiful.
Commander Koehl. Immense clear blood red flowers.
Coryphee. Large light shell pink, white throat.
Heavenly Blue. Sky blue, dark blue lines in throat.
Golden Dream. Best of yellows. Tall, late bloomer.
Loyalty. Strong sturdy yellow.
Mother Machree. Smoky lavender tinged golden salmon.
Picardy. Sensational new salmon.
Aflame. Very large flame rose.

Any of the above varieties

15 cts. each, 25 cts. for 2, \$1.40 per doz.

Select Gladiolus

A list of the better kinds, covering a wide range of color.

- Dr. F. E. Bennett.** Fiery scarlet with white lines in throat.
Carmen Silva. Large snowy white flowers.
Golden Measure. Deep golden yellow.
Gloriana. Golden salmon, clear yellow throat.
Charles Dickens. Large purple violet flowers.
Mrs. Leon Douglas. Immense rose salmon.
Mrs. Van Konynenburg. Popular medium blue.
Minuet. Finest light lavender, very large flowers.
Mrs. W. H. Phipps. Wonderful late pink.
Purple Glory. Dark purple maroon.
Mrs. P. W. Sisson. Gorgeous light salmon pink.
Marmora. Smoky gray, very fine.
Pfitzer's Triumph. Orange red. Large flowers on tall spike.
Marshall Foch. Giant flowers of finest salmon pink.

Any of above with a great variety of color

10 cts. each, 25 cts. for 3, 75 cts. per doz., \$5.00 per 100

Our gladiolus bulbs are treated with Naphthalene Flakes to insure freedom from thrip, etc.

Standard Named Gladiolus

- Giant Nymph.** Rose pink, yellow throat.
Mrs. Dr. Norton. Beautiful pink with rose blotch.
Los Angeles. Pink with orange carmine throat.
Crimson Glow. Deep velvety red.
Albania. Snow white, round petals.
Ming Toy. Bronze.
Mrs. F. C. Peters. Extra fine late lavender.
Copper Bronze. Coppery bronze, very beautiful.
Virginia. Brilliant cerise, large.
Opalescent. Pale lavender with darker line in throat.
Orange Flame. Late ruffled orange scarlet.

Any of the above separate or in assortment

5 cts. each, 50 cts. per doz., \$4.00 per 100

Popular Mixture of Gladiolus

Composed of high-grade varieties in mixture. A splendid lot of bulbs at very low prices. 15 cts. for 6, 30 cts. per doz., \$2.00 per 100.



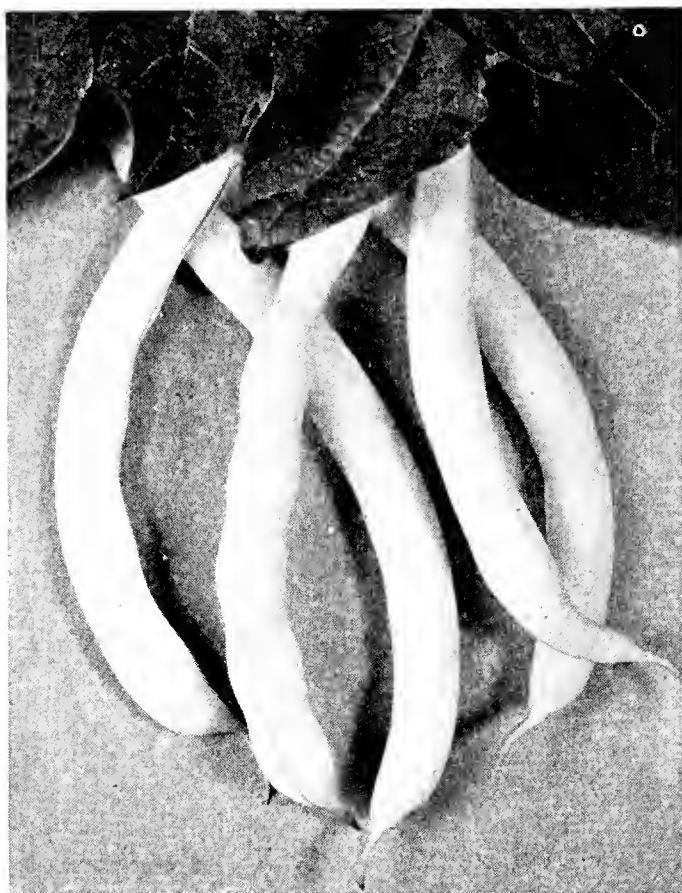
Carmen Silva

NAPHTHALENE FLAKES TREATMENT OF GLADIOLUS BULBS FOR THRIPS

Sprinkle the flakes among the bulbs using one ounce to one hundred bulbs, or about 1 lb. to a bushel of bulbs. The time of application may be either in the fall, during the winter or a week or two before planting in the spring, and suggest sprinkling the flakes in trench when planting, covering the flakes 1 or 2 inches and planting the bulb on top in the usual manner. Lb. 15 cts. (post-paid 25 cts.) 5 lbs. or more 12 cts. lb.

If bulbs are wanted by parcel post, add 10 cts. extra for the first dozen and 1c extra for each additional dozen.

VEGETABLE SEEDS



Pencil-Pod Black Wax

Beans

Dwarf or Bush . Wax Podded

We have indicated the number of days required under ordinary circumstances for the common garden varieties to produce snap pods.

Pencil-Pod Black Wax

52 days. The meatiest, crispest, most brittle, and entirely stringless Bean grown—the one "Best Bean." It is early, prolific under all conditions, and can be grown for early spring, midseason, and late canning markets. The seed is shining blue-black; the pods are large— $5\frac{1}{2}$ to 6 inches long—round, nearly straight and crease-backed, free from fiber, fleshy and brittle, of the highest quality and of a clear yellow color, cooking with a delicious flavor. The bushes are dwarf, prolific, and sure croppers. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Webber or "Cracker Jack" Wax

High quality, flat podded. Pods long, straight and stringless. Brittle pods 6 to $6\frac{1}{2}$ inches long. Color of pod is decided yellow. Seed yellow, kidney shaped. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Davis White Wax

52 days. Well adapted for shipping. Plant large and thrifty. Pods uniform and attractive; light yellow; fleshy and tender when young but become somewhat fibrous and stringy. Seeds white. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Improved Golden Wax (Rustless)

48 days. A splendid home garden variety; one of the most popular, also much used for canning. Plant small, productive. Pods very attractive; golden yellow; $4\frac{1}{2}$ -5 inches long; $\frac{1}{2}$ inch wide, thick, oval; fleshy, brittle, stringless; very prolific. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Beans are a profitable crop to grow.

Hodson Wax

65 days. Splendidly adapted for shipping. Plant large, thrifty, with slender branches; heavily productive, notably resistant to disease. Pods attractive light yellow; $6\frac{1}{2}$ -7 inches long; $\frac{1}{2}$ inch wide, thick oval; fleshy and tender when very young but become tough and stringy; yield nearly twice as much as the other kinds; quite late. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Unrivaled Wax

We have found this variety to be earlier than any other in our trials, which alone renders it extremely valuable. The flavor is excellent and both plant and pod are free from rust and blight. Pods semi-flat but fleshy; brittle, stringless and tender. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Sure-Crop Stringless Wax

Sometimes sold as Bountiful Wax

Without a doubt the most thoroughbred flat-podded Wax Bean yet introduced. It starts bearing within 60 days after seeds are sown. The pods average 6 to 7 inches long, are very meaty, flat but thick through. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Dwarf or Bush . Green Podded

Dwarf Horticultural

Snap pods 53 days; green shell beans 60 days. Particularly desirable green shell sort for home and market garden; desirable for snaps. Plant medium small, thrifty and productive. Pods dark green at snap stage, becoming greenish-yellow splashed with carmine; $5\frac{1}{2}$ inches long; $\frac{5}{8}$ inch wide and flat at snap stage, becoming almost round at green shell stage; strictly stringless, slightly fibrous. Seeds plump, oval, pinkish-buff, spotted and streaked with purplish-red. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Giant Stringless Green Pod

53 days. One of the best for home and market garden; very desirable for canning. Plant large, hardy, heavily productive. Pods medium green, $6\frac{1}{2}$ inches long; $\frac{3}{8}$ - $\frac{7}{16}$ inches thick, round; very fleshy, brittle and stringless. Seeds glossy yellowish-brown. Variety similar to Full Measure. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Red Valentine

52 days. One of the most dependably productive for home and market garden, unexcelled in quality for snaps. Plant medium sized, erect, compact, hardy. Pods medium green; $4\frac{1}{2}$ -5 inches long; $\frac{3}{8}$ inch thick; wider than thick; very slightly stringy; extremely fleshy; brittle, fine grained, tender. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Burpee's Stringless Green Pod

53 days. High quality for home and market garden. Plant large, thrifty, heavily productive. Pods medium green; 5½ inches long, almost ½ inch wide and equally thick; very fleshy, strictly stringless, fine grained, tender. Seeds coffee brown. Similar to Giant Stringless Green Pod and Full Measure but pods a trifle shorter and thicker. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Stringless Refugee

70 days. Splendid canning variety; young pods particularly valuable for canning and pickling whole. Plant large; very hardy; extremely productive. Pods medium green; very uniform, 5-5½ inches long, ¾ inch thick, round; absolutely stringless, very fleshy, brittle and fine grained. Seeds dark violet-purple splashed with buff. Variety differs from Refugee or 1000 to 1 chiefly in being absolutely stringless. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Tendergreen Bean**A Better Stringless Green Pod**

53 days. This new variety has proved to be one of the very best green beans with round pods. The pods are long, rather slender, light green, round as a pencil, stringless and of a very high quality, being unusually tender and delicious when cooked. Market gardeners find it a very profitable bean to grow. Is early in production and handsome in appearance and of high quality and yield. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

5 pounds of Beans at 10 pound prices.

Field Beans**Dwarf or Bush . Green Podded**

The following varieties of beans are used for baking, soups, etc., and are grown extensively as field crops. These beans should be planted in rows 28 to 30 inches apart, dropping the seed about 10 to the foot of row. A pound will plant from 100 to 150 feet of row, depending upon the size of the beans.

Large White Marrow or Mountain

Ripe in 100 days. High quality large bean for use dry. Plant large with tendency to form runners; very vigorous and productive. Pods 5½ inches long. Dry beans medium large, white. 1 lb. 15 cts., 10 lbs. \$1.25.

White Kidney

Ripe in 100 days. High quality large bean for use dry. Plant large with tendency to form runners; hardy, heavily productive. Pods 6-6½ inches long. Beans long kidney shape; white. 1 lb. 15 cts., 10 lbs. \$1.25.

Red Kidney

Large red, kidney shaped beans. Yields heavily on strong land. Considered one of the most profitable beans to raise for market. 1 lb. 15 cts., 10 lbs. \$1.25.

Yellow Eye

Medium size white beans with yellow spot or "eye." It produces large crops and matures early and is less subject to the diseases which often attack other kinds. 1 lb. 15 cts., 10 lbs. \$1.25.

Robust Pea Bean

An improved strain of Marrow Pea Beans which resists the Mosaic disease that is often very destruc-



Tendergreen—Stringless Green Pod

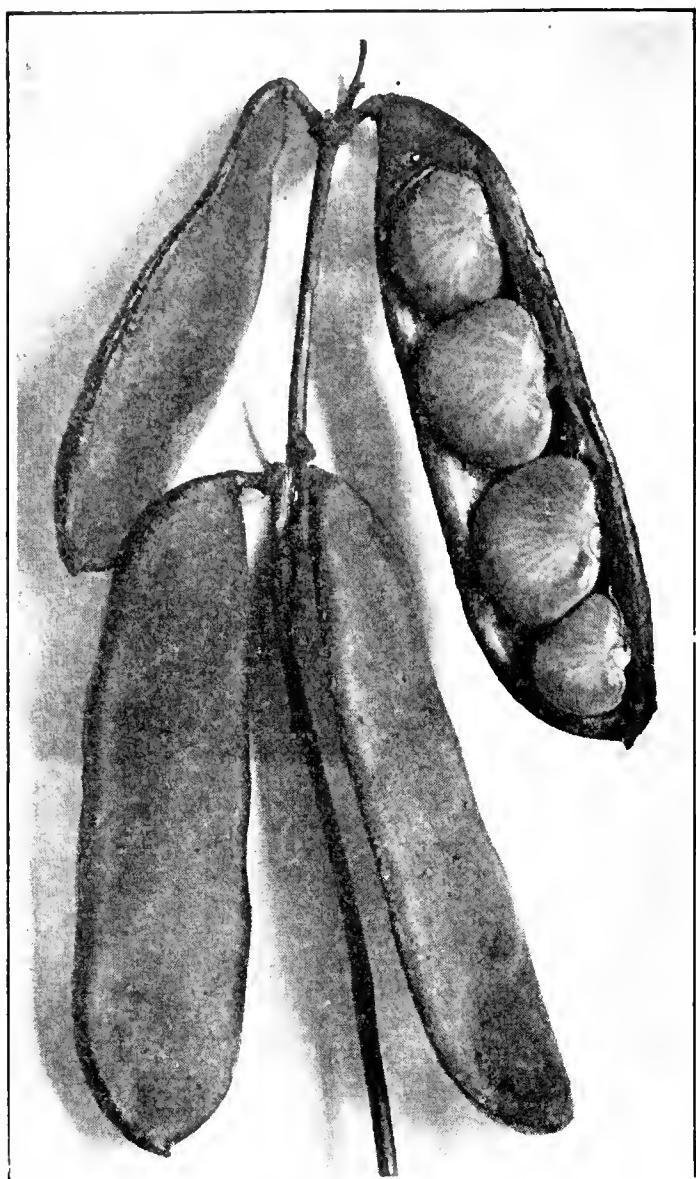
tive to the ordinary type of this variety. We find that the yield from Robust is nearly twice as large as from common Marrow pea beans. In other respects the beans are the same. The beans are small, round and pure white, and of good quality. 1 lb. 15 cts., 10 lbs. \$1.25.

Pole or Running Varieties**Kentucky Wonder (Old Homestead)**

65 days. Unexcelled for home and market garden. Excellent climber, thrifty, heavily productive. Pods medium green; 9 to 10 inches long, nearly round and ½ inch in diameter; slightly stringy, very fleshy, brittle, tender; seeds dun-colored. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Kentucky Wonder Wax

67 days. Good climber, heavily productive. Pods waxy yellow; 8 inches long, 5/8 inch wide, almost as thick as wide; practically stringless; fleshy, brittle, tender; seeds chocolate brown. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.50.



Burpee's Improved Bush Lima

Lazy Wife Pole Beans

74 days. Excellent for snaps, green shell and dry shell beans for home and market garden. Good climber, heavily productive. Pods medium green; 6-6½ inches long, ¾ inch wide, thick, straight, fleshy, stringless, brittle, tender; seeds plump, white. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

London Horticultural or Speckled Cranberry

Snaps 70 days; green shell beans 80 days. Standard for home and market garden. Good climber. Pods 6 inches long, ½ inch wide, thick, straight, stringless; dark green at snap stage, becoming yellowish-green splashed with violet-red at green shell stage. A trifle later than Improved London Horticultural and pods are shorter. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Golden Cluster Wax

Long, broad, deep yellow pods of finest quality; beans white, pods often 7 inches long and an inch broad. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.25.

Pole Limas

King of the Garden

88 days. Splendid climber, heavily productive. Pods 6 inches long, 1¼ inches wide, ⅜ inch thick; straight, with 4-5 beans. Seeds large. Thick, flat,

white. An improved form of Large White Lima. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.50.

Large Green Seeded

84 days. Seed of a decided green tinge, that is, not bleached ivory-white. Unsurpassed in flavor, of superior quality, averaging 4 to 5 beans to the pod, which are 4½ to 5½ inches long. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.50.

Seibert's Early Lima

80 days. Early and dependably productive for home, market garden, and for canning. Pods 5 inches long, 1⅛ inches wide, ⅜ inch thick. Seeds large, thick; white. Pkt. 10 cts., 1 lb. 30 cts., 10 lbs. \$2.50.

Lima Beans . Dwarf

Burpee's Improved Bush

75 days. This strain of Burpee's Bush Lima has beans of larger size and deeper green color than the old strain and the vines are more true to the bush, forms with fewer runners. The beans are both larger and thicker than the old form and the pods are also larger. Pods 4½ to 5 inches long, 1⅛ inches wide, ⅜ inch thick. Usually contain 4 large, thick beans. Pkt. 10 cts., 1 lb. 35 cts., 10 lbs. \$3.25.

Fordhook Bush Lima (Potato Lima)

75 days. Plant large, erect, heavily productive. Pods 4 to 4½ inches long; stout, 1¼ inches wide, ½ inch thick; contain 3 to 4 seeds. Green shell beans large, very plump, of the highest quality. Those who prefer the thick potato Limas will find this strain far superior to any other. It is the most profitable variety to raise for market when the beans are sold in the pods. Dry beans large and very plump. Seeds white. Pkt. 10 cts., 1 lb. 35 cts., 10 lbs. \$3.25.

Artichoke

Green Globe. The standard variety for home, market garden and shipping; widely grown in California; heads large, globular, deep green; scales very fleshy at base. Seed may be planted in March or April. When large enough to transplant they should be set in rows four feet apart and about two feet apart in rows. Pkt. 10 cts., ½ oz. 30 cts., 1 oz. 50 cts., ¼ lb. \$1.50.

Asparagus

1 Ounce for 50 Foot Drill; 4 Pounds to Acre

Mary Washington. The Department of Agriculture has developed two strains of Washington Asparagus; that is Martha Washington and Mary Washington, but the latter has proven to be the most highly rust resistant, and most hardy and productive of the two. The shoots are long, straight, thick, and heavy; dark green the entire length, except tinted darker at the tips. Pkt. 10 cts., oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.40.

Palmetto. This has been the most popular variety for general gardening purposes. Matures early, very prolific, producing an abundance of deep green shoots. Pkt. 10 cts., oz. 15 cts., ¼ lb. 50 cts., 1 lb. \$1.30.

Asparagus Roots

Allow 5,000 to 7,000 roots per acre.

Mary Washington. Two year root, per 25 60 cts., per 50 \$1.00, per 100 \$1.75, per 1,000 \$13.00.

Mangel Wurzel

Mangel Wurzels, because of the ease of culture, enormous yield and high food value in the ration, are very valuable for stock feed. We list below the most desirable varieties.

Giant Half Sugar . Rose Top

Roots long oval, tapered; grayish-white with rose-colored shoulder; flesh white, rich in sugar. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., 1 lb. 50 cts.

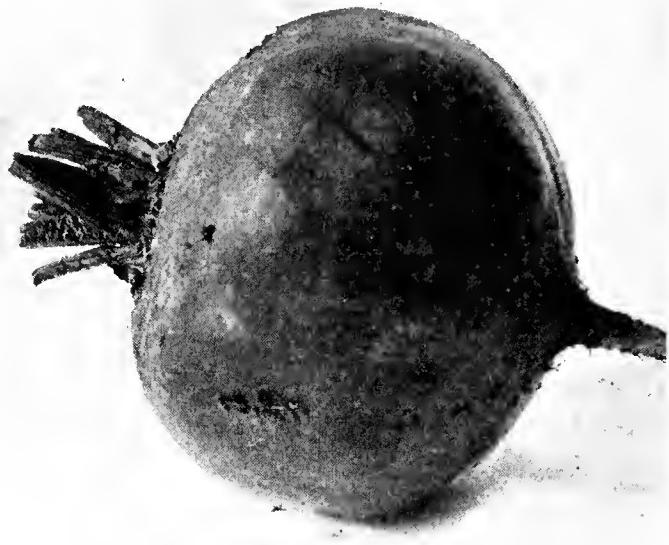
Golden Tankard

Heavy cropper; easily harvested. Roots large; thick oval, nearly cylindrical; light gray above, deep orange below ground; flesh yellow with white zones. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., 1 lb. 50 cts.

Mammoth Long Red

Enormously productive; superior to strains offered as Norbiton Giant, Colossal, Monarch, etc. Roots very large; long spindle shape, straight and thick; grow $\frac{1}{2}$ to $\frac{1}{2}$ out of ground; light red; flesh white tinged with rose. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., 1 lb. 50 cts.

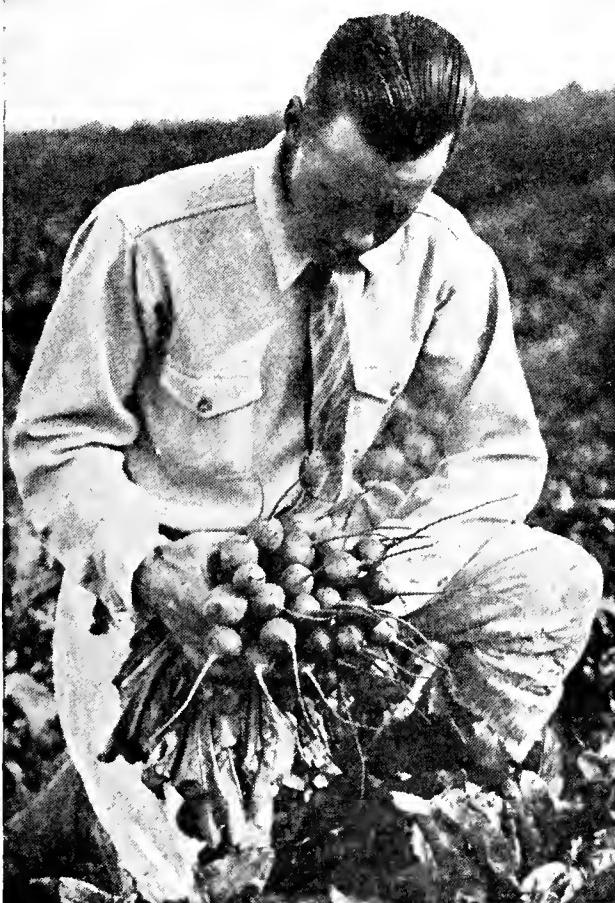
For larger quantities, wire or write.



Beets . Table Varieties

Crosby's Egyptian (Original Strain)

50 to 55 days. Splendid home and market garden sort. Tops medium in size; collar small. Root flattened globe-shape, with small tap root; very dark purplish-red. Flesh deep purplish-red zoned with a lighter shade; crisp and tender. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.



Good for All

Detroit Dark Red

52 to 55 days. The standard of excellence in table beets for home and market garden, shipping and for canning. Tops uniform, small, slender, erect. Roots globe-shaped; symmetrical, with small collar and small tap root; very dark blood-red. Interior very uniform in color, the zones so inconspicuous that the flesh seems to be one solid ball of deep blood-red meat; remains tender and of highest quality until roots are full grown. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

Early Wonder

50 to 55 days. Very desirable for home and market garden. Tops small. Root flattened globe-shaped with small collar and tap root; dark red, makes an excellent beet for bunching. Our strain is very fine. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

Good for All

This is the most refined, distinct and uniform strain of Beet. Tops are sparse and shorter than any strain of Detroit Dark Red. Roots are very smooth and even in size and shape, which is almost perfectly globular. Skin is smooth and very deep red. The interior color is a fine deep crimson vermillion. Flesh has close texture and is very free from zones. It shows very definite advantages as a canning and pickling beet, exceptionally desirable for canning whole at $1\frac{1}{4}$ to $1\frac{1}{2}$ inches in diameter. If allowed to stand the same roots will reach a size up to 4 inches in diameter and still retain excellent quality and color. 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.00.

We have indicated the number of days commonly required to produce roots ideal for bunching.



Danish Ball Head

Cabbage

First Early Varieties

The days indicated are the average number required to produce heads ready for market from the time the young plants are set in the field.

Copenhagen Market

66 days; distinctly and uniformly early. Splendid for early market and shipment; proving valuable as early kraut variety. Plant small, compact, allowing very close planting; stem short; heads uniformly round; firm with firm outside leaves. Interior clear white and of excellent quality. Pkt. 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., 1 lb. \$3.00.

Early Jersey Wakefield

62 days. Extremely early variety; very valuable for home and market garden as well as for shipment. Plants very small and compact, allowing very close planting; stem short. Heads conical, usually 7 inches long, 5 inches thick near base, firm and weigh 2 to $\frac{1}{4}$ lbs. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

Golden Acre

60 days. The earliest round headed cabbage; especially valuable for early market and shipping. Plants very small and compact; stem short; heads uniformly round; firm, commonly 6 inches in diameter and weigh 3 lbs. This is similar to Copenhagen Market but is several days earlier and the heads are smaller. It is earlier than Early Jersey Wakefield. Pkt. 10 cts., 1 oz. 35 cts., $\frac{1}{4}$ lb. \$1.15, 1 lb. \$4.25.

Second Early and Intermediate Varieties

All Seasons

90 days. Splendid general purpose cabbage; good winter keeper; widely used for kraut; remarkably thrifty in hot dry weather. Heads large; commonly 10-11 inches across, 8 inches deep and weigh 9 to 10 lbs.; of splendid quality; a heavy yielder. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

Early Dwarf Flat Dutch

71 days. Splendid for home and market garden. Plants small and compact; stem short. Heads almost ball-shaped; commonly 7-8 inches in diameter, 6 inches deep and weigh 4½ to 5 lbs.; firm and of high quality. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

Early Winnigstadt

77 days. Very hardy and dependable; particularly valuable for shipping as well as for home and market garden. Heads extremely firm; heart-shaped; become 8-10 inches long and 6-7 inches thick near base, and weigh 5 lbs.; of splendid quality. Every plant forms a good head. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

Glory of Enkhuizen

73 to 80 days. Particularly valuable for kraut; also popular for home and market garden. Heads very large; globular; 8-9 inches in diameter; firm; commonly weigh 8 to 10 lbs.; stem medium short. Only a week or ten days later than Copenhagen Market. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

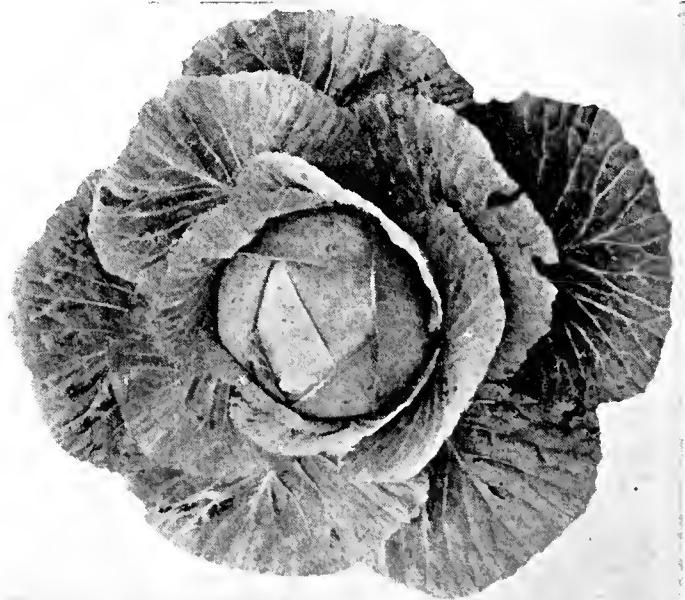
Late or Autumn and Winter Varieties

Danish Ball Head

Danish Ball Head is the best late cabbage offered to the trade. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8-9 inches across, 6-7 inches deep and weigh 7 to 9 lbs. Very firm and solid, of excellent quality and keep perfectly in storage until late spring. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

Penn State Ball Head (Original Strain)

A new development of shipping cabbage. A variety developed by the Division of Plant Breeding of Pennsylvania State College and Experimental Station. Penn State Ball Head shows records of over 20 tons per acre. This extra tonnage, combined with fewer cracked heads and better storage quality placed Penn State Ball Head in a class of its own. Pkt. 10 cts., 1 oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, $\frac{1}{2}$ lb. \$2.25, 1 lb. \$4.00. (Penn State College Sealed.)



Golden Acre

CABBAGE . LATE . Continued**Premium Late Flat Dutch**

105 days. The best very large, late cabbage; popular for home and market garden and for fall shipment; a good keeper. Heads very large and flat, but deep; become 12-14 inches across, 7 inches deep and weigh 12 to 14 lbs. or more; firm and of good quality. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

Wisconsin No. 8 (Yellows Resistant)

105 days. Splendid, late cabbage for storage, shipment and kraut manufacture. Strain developed at the University of Wisconsin; heavy yielder on land infested so badly with the yellows disease that other varieties fail completely. Plants large and very hardy. The heads are large, globular to flattened globe shape, very firm; weigh 7 to 9 lbs., of excellent quality and keep well until spring. Pkt. 10 cts., 1 oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, 1 lb. \$3.00.

Mammoth Rock Red

90 days. The best red cabbage; splendid winter keeper. Heads round to slightly flattened globe shape; commonly 7 inches in diameter and weigh about 7 pounds; very hard; deep purplish-red. Every plant will produce a good head under favorable conditions. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

Savoy . Improved American

85 days. The best of the Savoy group for home use and market. Leaves blistered; stem short. Heads flattened globe shape; large, firm; interior leaves crumpled, attractive light yellow; of distinct flavor. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

Chinese Cabbage**Chihli**

Early and very sure heading. Head becomes 18-20 inches tall, $3\frac{1}{2}$ -4 inches thick, tapered near tip, very firm, well blanched, crisp, tender and sweet. Superior to Chinese Improved or Pe Tsai. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.

Wong Bok

Heads 8-10 inches tall; broad; firm. Well blanched, tender and of excellent quality. Has become popular for market. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.25.



Chinese Cabbage . Wong Bok

Brussels Sprouts

Half dwarf. Plants grow 30 inches tall; very dependable. Stems well covered with small firm cabbage-like balls $1\frac{1}{2}$ inches in diameter which mature in succession. They are successfully grown wherever conditions are favorable for late cabbage and require the same method of culture. Pkt. 10 cts., 1 oz. 30 cts., $\frac{1}{4}$ lb. \$1.00.

Cauliflower

We have indicated the number of days commonly required to produce heads, from the date the young plants are set in the field. Usually it is 30 to 35 days from the time seed is sown until the young plants are ready for the open field.

Early Snowball

52 days. The best for greenhouse forcing, early market and shipping. Plants very dwarf. Heads snow white; deep, smooth, compact; about 6 inches across and weigh $1\frac{1}{2}$ to 2 lbs.; the standard of excellence in cauliflower. This is undoubtedly the finest variety ever introduced; it is the earliest and produces beautiful heads. Pkt. 15 cts., 1 oz. \$2.00, 2 ozs. \$3.75, $\frac{1}{4}$ lb. \$7.00.

Danish Giant . Dry Weather

65 days. Dependable variety to plant at the same time as Early Snowball, the crop being ready when Snowball has been harvested; one of the most dependable in adverse, dry weather. Plants dwarf, short stemmed; larger than Early Snowball. Heads large; 6-7 inches across commonly weigh 2 lbs.; white with tinge of cream; of splendid quality. Pkt. 15 cts., 1 oz. \$2.00, 2 ozs. \$3.75, $\frac{1}{4}$ lb. \$7.00.



Snowball Cauliflower



Italian Green Sprouting Broccoli

Mustard

Mustard is very widely grown for greens, particularly in the home and market gardens of the South. An abundance of tender succulent leaves is available 4 to 5 weeks after sowing seed.

Southern Giant Curled

Very hardy and the most popular for greens. Leaves large and wide, bright green and very curly on the edges. The plant, although slightly spreading, is quite upright in growth. Pkt. 10 cts., 1/4 lb. 25 cts., 1 lb. 70 cts.

Broccoli

Italian Green Sprouting (Calabrese)

This vegetable which belongs to the cauliflower family has become very popular and is a profitable crop. It produces a central head which when cut out allows side sprouts to grow up and head. These heads are also cut, allowing a third crop of sprouts to grow out and head. The heads are deep green when ready to use.

The culture of Broccoli is the same as cauliflower and as several cuttings can be made from each plant it is a very profitable crop.

Market gardeners will find this a very easy vegetable to grow and one that commands the highest prices on the market.

Our seed is of the true Italian strain producing large compact heads. Pkt. 15 cts., 1/4 oz. 25 cts., 1 oz. 75 cts., 1/4 lb. \$2.50.

Corn Salad or Fetticus

Large Seeded . Large Leaved

Thrifty, large growing sort with thick leaves of mild flavor. Sometimes called Lamb's Lettuce. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts.

Cress

Curled or Pepper Grass

Very hardy, fast growing annual which produces in a few weeks a good supply of attractive, finely curled dark green foliage which is splendid for garnishing and of a pleasant pungent flavor. The plant is decorative. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 45 cts.

Water Cress

50 days. A favorite dressing for dishes and a desirable form of Greens. Will only thrive well when the roots are submerged in water, grows best along banks of small running streams. Pkt. 10 cts., 1 oz. 35 cts., 1/4 lb. \$1.00.

Chicory

Witloof or French Endive

One of the best and most attractive of salad vegetables; grown largely by market gardeners and shippers. The carefully trimmed roots when buried upright in damp sand and given the proper conditions each produce a handsome compact cluster 4-5 inches long of blanched leaves which are tender and have a rich, mildly acrid flavor. Pkt. 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.15.

Collards

Georgia Southern or Creole

Non-heading form of the cabbage family very generally grown for greens in home and market gardens in the South. Plant 2 to 3 feet tall, erect, spreading, and with numerous large leaves; forms at the top a loose cluster or head of tender leaves. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 50 cts.

Endive

Broad Leaved Batavian or Escarolle

Grown in market gardens and for shipping. Plants large; leaves broad, thick, somewhat twisted; heart very compact and blanches readily. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.10.

Green Curled . Green Ribbed

A variety with deeply cut leaf margins but not curled as is Moss Curled. It is medium large in size and blanches well at the heart in late summer and fall. The mid-ribs or stems are pure green. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.10.

Giant Green Curled or Ruffick

30 days. This variety is sometimes called Oyster as in the Eastern States where Oysters on the shell are exhibited, it is frequently used as a garnish to display them. This is a hardy growing variety, with deep green leaves. When tied up these plants of red footstalks bleach white very quickly. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.10.



Green Curled Endive

Swiss Chard

Swiss Chard . Lucullus

In season with Large Ribbed White. Popular home and market garden sort. Plants become 24 inches tall. Leaf blade large and broad, rich yellowish-green; much blistered or crumpled; borne on thick pale green leaf-stem. This variety makes very choice greens. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. 95 cts.

Celery

Golden Plume or Wonderful

This new variety of celery resembles Golden Self Blanching but is much larger and ranker in growth, blanches more quickly, matures earlier and very desirable for shipping and for home and market garden, and is of the finest table quality. Pkt. 10 cts., 1 oz. 60 cts., 2 ozs. \$1.10, 1/4 lb. \$2.00, 1 lb. \$7.00.

Easy Blanching

Splendid early variety for home and market garden. Makes vigorous, erect, compact growth; blanches very readily; stalks thick, solid, of a rich, nutty flavor; a good keeper. Pkt. 10 cts., 1 oz. 50 cts., 2 ozs. 75 cts., 1/4 lb. \$1.25, 1 lb. \$4.00.

Giant Pascal

Matures late. Desirable for home and market garden. Plant large and compact. Leaf stalks long, thick and solid; of unsurpassed rich, nutty flavor. Pkt. 10 cts., 1 oz. 35 cts., 2 ozs. 60 cts., 1/4 lb. \$1.00, 1 lb. \$3.50.



Swiss Chard . Lucullus

5 ct. Pkts. if desired



Field of Fordhook Emperor

Golden Phenomenal

This is the largest strain of Golden Self Blanching Celery yet produced. It resembles Golden Plume, but is a little larger and the stalks longer from the first to the second joint. Plants early ready for use; full hearted and compact. Very desirable for shipping. Pkt. 10 cts., 1 oz. 60 cts., 2 ozs. \$1.10, 1/4 lb. \$2.00, 1 lb. \$7.00.

Golden Yellow Self Blanching Dwarf

Standard market and shipping sort. Plants medium sized, stocky; 14 to 18 inches tall; leaf stalks thick, solid, blanch readily and of sweet nutty flavor. Pkt. 10 cts., 1 oz. 50 cts., 2 ozs. 90 cts., 1/4 lb. \$1.60, 1 lb. \$6.00.

Golden Yellow Self Blanching Tall

Early and particularly desirable for home and market garden, though not so desirable for shipping as the dwarf type of Golden Yellow Self Blanching. Plants fairly tall and compact with firm, thick stalks which blanch readily and are of splendid quality. Pkt. 10 cts., 1 oz. 50 cts., 2 ozs. 90 cts., 1/4 lb. \$1.60, 1 lb. \$6.00.

Fordhook

130 days. A dwarf of superior excellence and very showy foliage dark green, to be at once noted because of its particularly upright growth of unusually thick stalks, very solid and large, no suckers, sixteen inches high, and edible stalks of half that height. Pkt. 10 cts., 1 oz. 40 cts., 2 ozs. 70 cts., 1/4 lb. \$1.25, 1 lb. \$4.50.

Golden Detroit

This new development of the Golden Self Blanching type emphasizes all the good points of its class and is without its usual fault. Plants very compact and full hearted. Stems broad, thick and ordinarily 7 to 8 inches long; blanch easily to a rich creamy-yellow, free from strings. A wonderful celery for shipping and storage. Pkt. 10 cts., 1 oz. 60 cts., 2 ozs. \$1.10, 1/4 lb. \$2.00, 1 lb. \$7.00.

Florida Golden

A selection from Golden Plume, bred for taller growth, increased weight and larger, thicker stems; matures early. Hearts blanch to a rich cream color of exceptionally fine quality and excellent flavor; stems broad and thick, solid and crisp. Plants full hearted and compact. A wonderful celery to raise for an early crop. Pkt. 10 cts., 1 oz. 60 cts., 2 ozs. \$1.10, 1/4 lb. \$2.00, 1 lb. \$7.00.

We always try to write reliable, true descriptions of our flowers and vegetables. They will fulfill the promises made for them.



Black Beauty

Egg Plant

Plants of the two standard varieties listed below, set in the field early in June at our Experimental Gardens, always produce marketable fruits in August or early September.

Black Beauty

Popular home and market sort. Plants thrifty, 24 to 30 inches tall, commonly bear 4 to 6 large fruits which are smooth, broad egg-shape; uniform, very rich dark purple and retains the color. Pkt. 10 cts., 1 oz. 40 cts., $\frac{1}{4}$ lb. \$1.35, 1 lb. \$4.00.

Large New York Purple . Improved

The standard home and market sort. Plants large, 30 to 36 inches tall; very productive, commonly bearing 4 to 6 or more large, handsome, dark purple, symmetrical broad egg-shaped fruits. Pkt. 10 cts., 1 oz. 40 cts., $\frac{1}{4}$ lb. \$1.35, 1 lb. \$4.00.

Dandelion

Improved Thick Leaved

Very superior strain. Makes vigorous, very compact growth. Produces a spreading rosette of leaves 18 to 24 inches across; leaves very numerous, thick in texture and blanch readily. Pkt. 10 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.60.

Mushroom Spawn

Spore Culture

(In bricks of about 1½ pounds)

Mushroom is propagated by means of microscopic "spores" which correspond to the seeds of flowering plants. The spore culture we offer is from a selected strain which insures uniformity and is prepared in the form of bricks. Per brick, 35 cts., per 5, \$1.40.

Celeriac

Large Smooth Prague

Turnip-rooted celery. Roots 3 to 4 inches in diameter; globular; fairly smooth; stalks hollow, dark green. 1 oz. 20 cts., 2 ozs. 35 cts., $\frac{1}{4}$ lb. 65 cts.

Carrots

We have indicated the number of days usually required to produce roots of good bunching size.

Red Cored Chantenay

70 days. This is a distinct improvement over the well-known Chantenay, especially in color, texture and quality of flesh, and has been accepted with much enthusiasm particularly by shippers of fresh

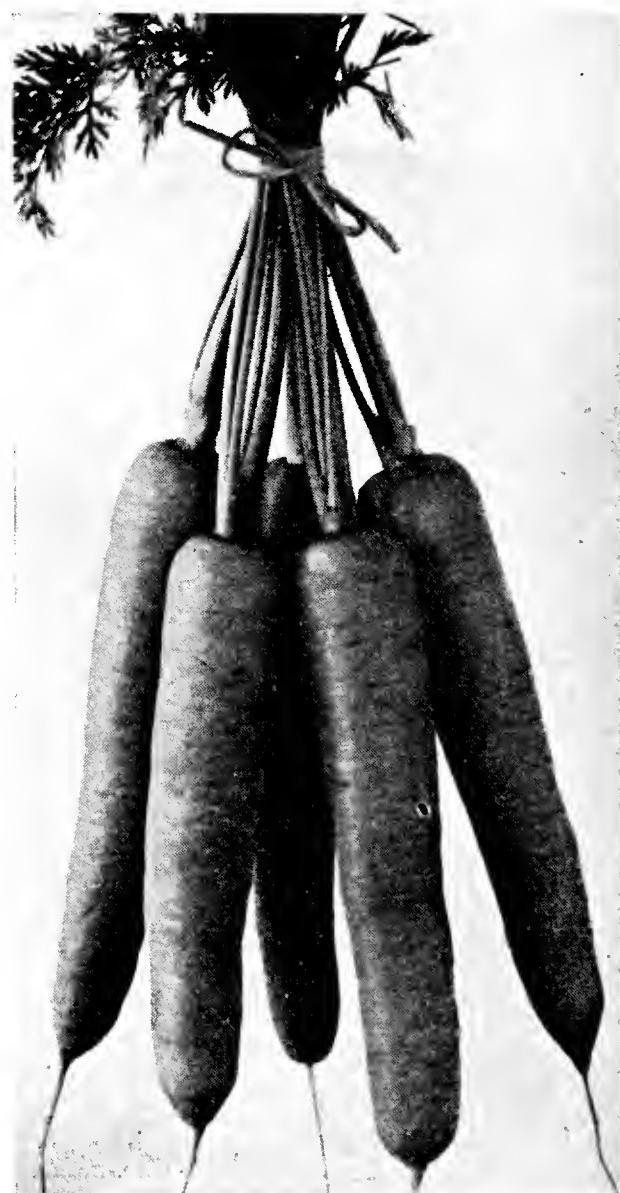
vegetables and by canners. Roots deep reddish-orange; 5½ to 6 inches long, 2¼ inches thick at the shoulder, tapered, stump-rooted; core reddish-orange, almost the same color as the flesh and so inconspicuous as to make the term coreless seem appropriate; flesh fine grained and tender; of sweet, delicate flavor. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., 1 lb. \$1.50.

The New Imperator Carrot

The root is tapering with sloping shoulders. Average 6 to 8 inches long of deep orange color throughout the flesh: The tops are medium, just about right for bunching. A very attractive carrot. Please report how you like it. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., 1 lb. \$1.50.

Morses Bunching Carrot (No. 116)

A new type carrot developed to fill the demand of shippers for a longer and better colored bunching carrot. Tops are short and sparse, but foliage is rather coarsely cut and stems medium size and strong. The roots at full maturity are almost cylindrical with rounded shoulders and are well stumped. The neck is quite small, yet not too small, and the tops are strong enough for a bunching carrot. Roots will run 1¼ to 1½ by 8 inches long. Color both exterior and interior is a fine deep red. Cores are small. Roots are smooth, free from hair roots and wrinkles. Especially recommended for summer and fall harvest on account of the small tops. 1 oz. 20 cts., $\frac{1}{4}$ lb. 65 cts., 1 lb. \$2.25.



New Bunching Carrot

Scarlet Nantes or Coreless

Because of the delicate texture of the roots this carrot is often referred to as "Coreless." It is half long and stump-rooted, averaging from 6 to 7 inches in length when mature. The flesh is very fine grained, absolutely without any woody heart or core. The color of the flesh is a rich red-orange and its flavor is of the finest. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 50 cts., 1 lb. \$1.25.

Danvers . Half Long

75 days. Very productive and popular for home and market garden; much used for shipping. Roots bright deep orange, 6 to 8 inches long, 1 3/4 inches thick, uniformly tapered to the blunt end. Flesh bright orange, crisp and tender. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Chantenay

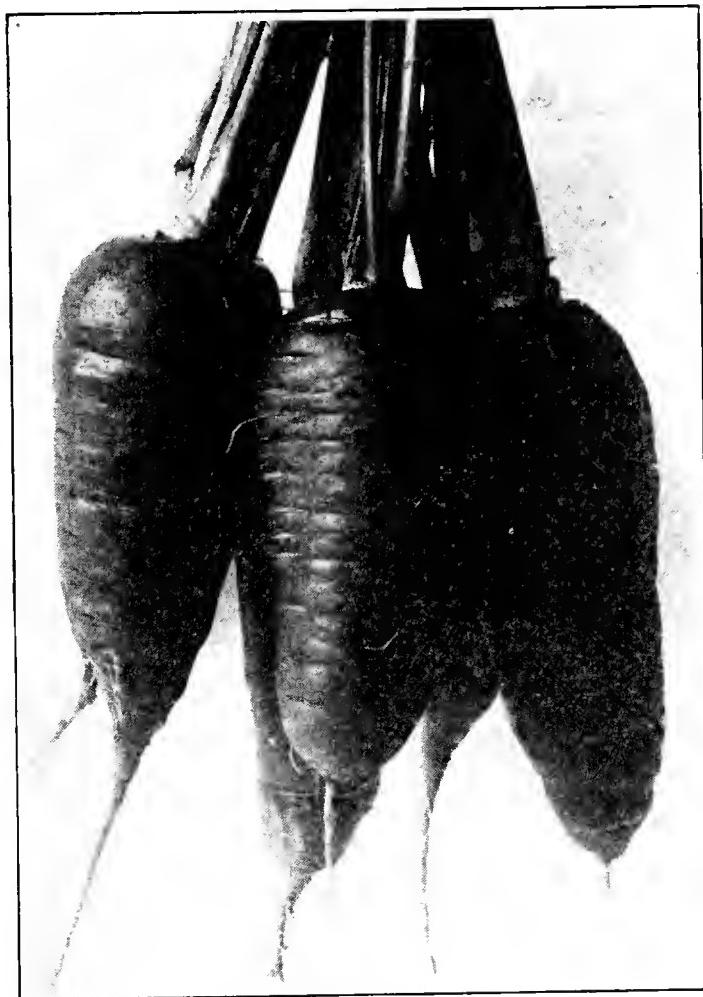
70 days. Splendid general purpose carrot; much used in home and market garden and for shipping bunched. Extensively grown for winter storage. Dependably heavy yielder. Roots deep reddish-orange; thick at top; tapered; stump-rooted; flesh deep orange. A most excellent, medium early half-long variety. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Improved Long Orange

85 days. A heavy cropper on light soils; much grown for stock. Roots scarlet-orange; 10 to 12 inches long, 2 inches thick at the top; tapered, pointed. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.15.

Nantes . Stump-Rooted

68 days. Particularly desirable for frame culture and one of the best for home garden and early market. Tops small. Roots bright orange; 6 to 7 inches long, 1 1/4 inch thick; cylindrical; stump-



Chantenay

rooted. Flesh bright orange, of highest quality; core inconspicuous. Similar to such that is offered under the term "coreless." Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 50 cts., 1 lb. \$1.25.

Ox-Heart or Guerande

75 days to produce roots of good table size. Especially desirable for field culture on heavy soil; good keeper and much used for stock feed. Roots scarlet-orange; broad, blunt, heart-shaped; become 4 1/2 to 5 inches long; easily harvested. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.15.

White Belgian

Late; heavily productive; grown for stock. Roots 8 to 10 inches long, 3 to 4 inches thick at the top; tapered; pointed. 1 oz. 10 cts., 1/4 lb. 30 cts., 1 lb. 90 cts.

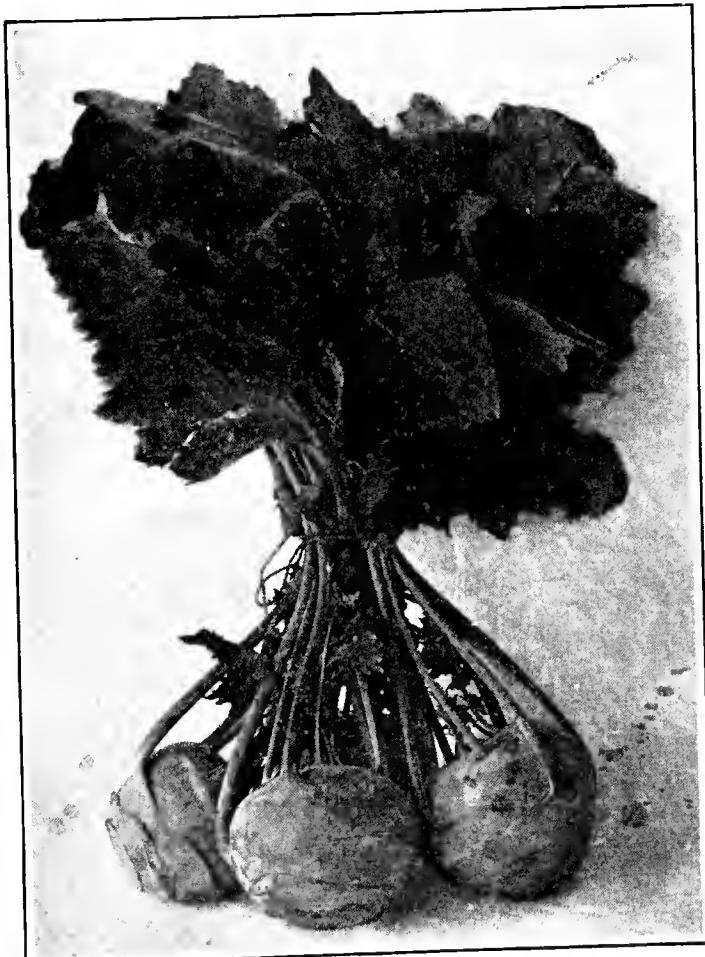
Kohl Rabi

Kohl Rabi is a member of the cabbage family grown for the swollen turnip-like structure or bulb which forms just above the ground line and below the first leaves.

Early Purple Vienna

60 days. Standard early sort. Plants small; leaves dark green with profuse purple staining. Bulbs flattened globe-shape, best for use when 2 to 2 1/2 inches in diameter but become larger; exterior purple, but flesh white; mild, crisp and tender. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 50 cts., 1 lb. \$1.75.

10 ct. Pkts., 5 or more at 7 cts. each



Early Purple Vienna Kohl Rabi

KOHL RABI . Continued**Early White Vienna (for forcing)**

Produces bulbs of 2½ inches in diameter 55 to 60 days after seed is sown out of doors. The standard sort for forcing and for home and market garden use. Plants very small; leaves medium green. Bulbs flattened globe shape; pale green; used when of 2 to 2½ inches in diameter but grow much larger; interior white, mild, crisp and tender. Pkt. 10 cts., 1 oz. 20 cts., ¼ lb. 50 cts., 1 lb. \$1.75.

Kale or Borecole

Kale is a very hardy non-heading member of the cabbage family, very generally grown in the home and market gardens of the South for use as greens.

Dwarf Green Curled

Very hardy. Plants become 12 to 15 inches tall with 30 inch spread; compact. Leaves deep yellowish-green; large; finely curled and compact; plume-like. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 80 cts.

Tall Green Curled Scotch

Very hardy. Plants upright, 30 inches tall; with numerous large, deep yellowish-green, finely curled, compact plume-like leaves. Aside from habit, similar to Dwarf Green Curled. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 80 cts.

Leek**Large Flag**

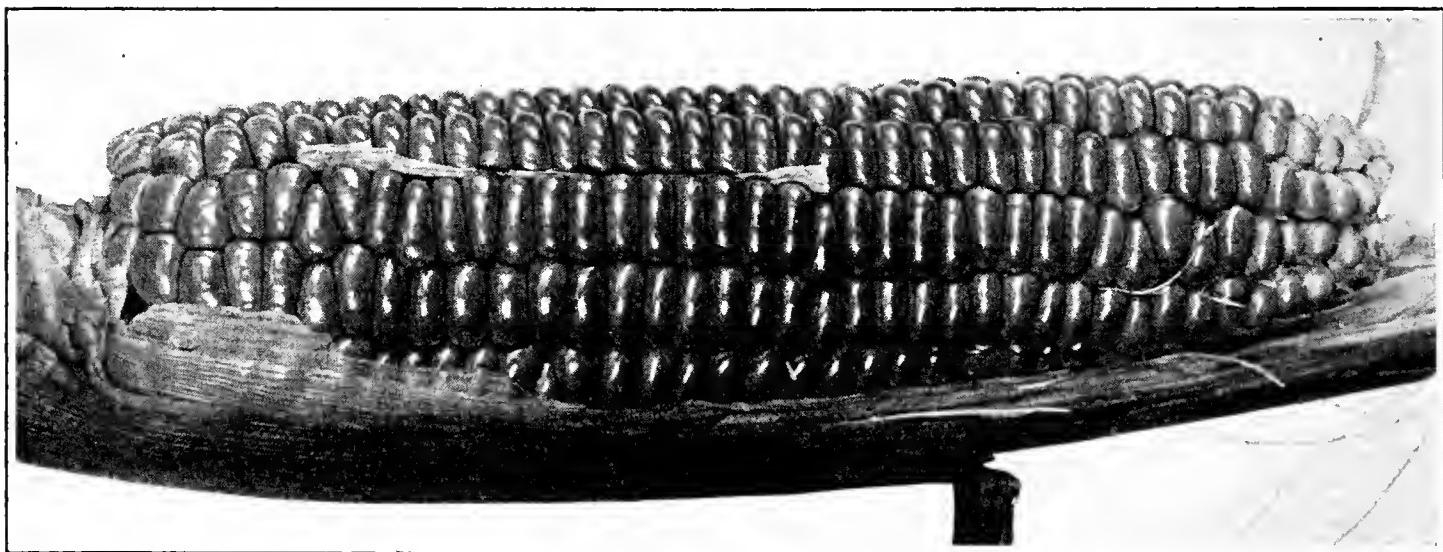
Early. A popular gardeners' variety, with long, thick, well blanched stem. Leaves a trifle lighter green than those of Monstrous Carentan. Similar to London or American Flag. Pkt. 10 cts., 1 oz. 20 cts., ¼ lb. 50 cts.

Okra or Gumbo

Okra is planted late in May or early in June and always yields tender pods in August.

Dwarf Green Prolific

Very early. Plants 3 to 3½ feet tall; pods dark green, very fleshy and tender, become 3 to 3½ inches long and 1¾ inches in diameter, blocky, ribbed. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.



Golden Bantam

Sugar or Sweet Corn**Yellow Varieties**

The number of days required for each variety of corn to produce ears fit for table use is indicated below.

GOLDEN CROSS BANTAM

88 days. Highly resistant to Stewart's disease and very prolific. Stalks sturdy with exceptionally broad, dark green leaves. Ears 10 to 14 rowed, 7½ to 8 inches long. Slightly lighter yellow than Golden Bantam. Kernels medium in width and depth. This hybrid is extremely uniform in plant and ear characteristics and in maturity. Excellent for market gardeners.

1 lb. 50c, 5 lbs. \$2.00

In Sweet Corn demonstrations conducted by Agricultural Extension workers this year Golden Cross Bantam, a new variety, was practically free from wilt in all demonstrations.

Barden's Wonder Bantam

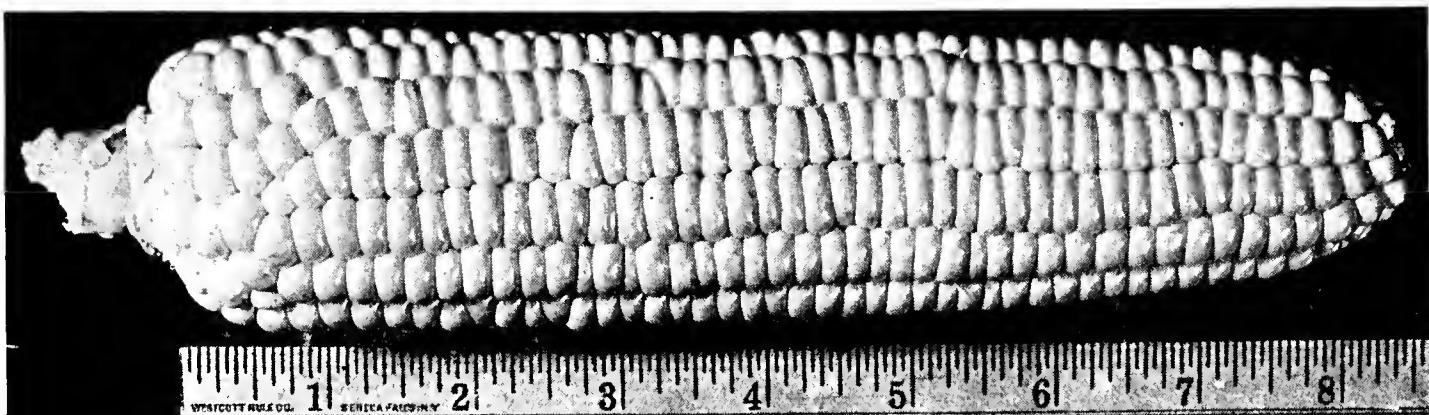
8 rowed, with the matchless sweetness and color of the old reliable Golden Bantam, but the ears are larger (eight to ten inches long) and set up higher on a more sturdy stalk, from five to six feet high. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Golden or Bantam Evergreen

90 days. A cross between Golden Bantam and Stowell's Evergreen. Ears 7 to 8 inches long, with 12 to 14 rows of large yellow kernels which are of fine quality. Matures later than Whipple's Yellow and Golden Giant, which are the two varieties that it most closely resembles. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Spanish Gold

A new and very early yellow sort. Stalks grow 5 to 6 feet high; ears (husked) 6 to 7 inches; rows vary from 8 to 12, mostly 10; time to maturity is about 68 days. Spanish Gold merits a trial by all who want an extra early yellow corn with some size and good flavor. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts.. 6 lbs. \$1.20.



Whipple's Yellow Sweet Corn

Golden Early Market (New)

Earliest, large, true Sweet Corn of golden color. The ear is larger and matures one week earlier than Golden Sunshine and 10 days to 14 days earlier than Golden Bantam. It is the outstanding early yellow Sweet Corn of highest quality. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Golden Sunshine

74 days. An earlier Golden Bantam. A yellow, early, high quality sweet corn ready for market ten days earlier than Golden Bantam, but dwarfer in growth. The ears are $6\frac{1}{2}$ inches long, 12 rows of broad yellow sweet grains. It is especially desirable for its extreme earliness. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Whipple's Yellow Sweet Corn

Earlier than Bantam and as large as Evergreen. This is a wonderful early yellow corn that has proved very profitable to raise for market. The ears are very large, 8 to 9 inches long, having 14 to 18 rows of deep kernels. They mature ready for use two or three days earlier than Golden Bantam. The quality of the corn is fine. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Golden Bantam

83 days. The best strain of Golden Bantam offered to the trade. As early as Sunshine and of incomparably better quality. Plants dwarf; $4\frac{1}{2}$ to 5 feet tall; very productive, commonly bearing 2 ears. Ears 6 to 7 inches long; strictly 8 rowed; very uniform. Kernels rich golden yellow, very tender, sweet and of splendid rich flavor. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 10 lbs. \$2.00.

White Varieties**Alpha**

76 days. The earliest sweet corn; a money-maker for early market. Plants 4 feet tall. Ears attractive;

6 to 7 inches long; 8 rowed; very uniform. Kernels white, plump, sweet and tender. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Country Gentleman

110 days. Heavy yielding variety with Evergreen character. Valuable for home, market garden and especially for canning. Plants $6\frac{1}{2}$ to 7 feet tall, commonly with 2 or more ears. Ears $7\frac{1}{2}$ to 9 inches long, 2 inches thick; set solid with irregular rows of kernels. These are white; shoe-peg form, very deep; sweet and tender. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Early Evergreen

98 days. Very valuable canning and market sort about 1 week earlier than Stowell's Evergreen from which it was developed. Plants $6\frac{1}{2}$ to 7 feet tall. Ears about $7\frac{1}{2}$ inches long, $2\frac{1}{2}$ inches thick with 14 to 20 rows of very deep, white, sweet, tender kernels that remain fresh and tender remarkably long. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

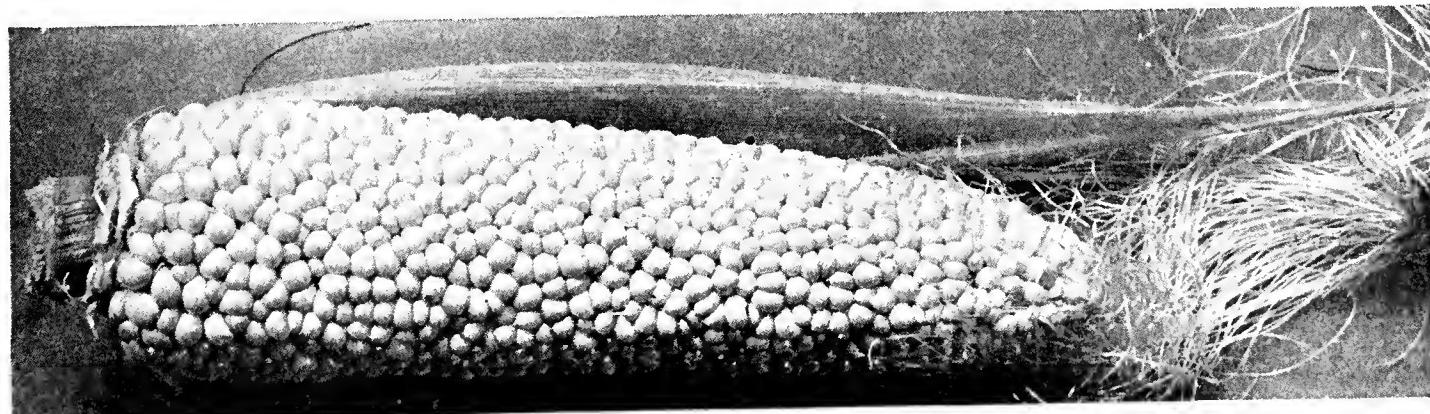
**Plant Your Corn and
Forget About the Crows**

USE
Stanley's Crow Repellent

As hundreds of corn growers have been doing for over twenty years. Large can, enough for 2 bu. of seed corn (8 to 10 acres), \$1.00; half size can 60 cts. "Money back" guarantee.

Semesan, Jr.

The dust disinfectant for seed, field and sweet corn. Controls corn root rot diseases. Generally increases yield 10 to 15 per cent. 4 oz. 50 cts., 1 lb. \$1.50.



Country Gentleman



Boston Pickling

CORN . Continued**Gill's Early White Market (New)**

The earliest Sweet Corn. By planting this variety, you can enjoy good fresh Sweet Corn a week to ten days earlier than you otherwise would. Many ears measure 8 inches long and have 12 to 14 rows of pure white kernels. The quality of the Corn is excellent for so early a variety, being better than any other kind that matures quickly. We are sure market growers will find this a very profitable Corn as it can be put on the market before any other variety of anywhere near its size. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Stowell's Evergreen

105 days. Standard late variety very valuable for canning and much grown for market. Plants 7 to $7\frac{1}{2}$ feet tall. Ears 8 inches long; $2\frac{1}{4}$ to $2\frac{1}{2}$ inches thick; 14 to 20 rowed. Kernels very deep, white, sweet and tender and remain in table condition a long time. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Black Mexican

93 days. Home garden variety of splendid quality. Plants $6\frac{1}{2}$ feet tall. Ears 8 to 9 inches long; 8 rowed; very uniform. Kernels clear white at table stage; tender and of a rich sweet flavor; become uniform blue-black when ripe. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Pop Corn (Shelled)**Black Beauty**

The earliest pop corn. Plants $5\frac{1}{2}$ feet tall. Ripe ears 7 inches long; $1\frac{1}{8}$ inches thick; 12 rowed; uniform. Kernels purplish-black; 270 per oz.; smooth; almost square. Kernels very large and white when popped. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Japanese Hulless

Plants 5 feet tall. Dry ears $3\frac{1}{2}$ to 4 inches long; $1\frac{3}{4}$ inch thick; blocky. Kernels translucent waxy

white; 325 per oz.; pointed. Kernels large and snow-white when popped. Also known as Australian Hulless and as Tom Thumb. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Golden Queen

115 days. Height of stalk $6\frac{1}{2}$ to 7 feet. Two to three ears on a stalk. Length of ear 5 to 7 inches. Grain is a golden cream color. One of the popular popping varieties. $\frac{1}{4}$ lb. 10 cts., $\frac{1}{2}$ lb. 15 cts., 1 lb. 25 cts., 6 lbs. \$1.20.

Cucumbers

For the sake of uniformity in comparing earliness of varieties we have stated the approximate number of days required under ordinary circumstances to produce fruits of maximum slicing size from seed planted out of doors. The descriptions are of full sized slicers.

Boston Pickling

60 days. Splendid pickling and slicing sort. Fruits medium dark green; black spined; 6 to 7 inches long, $2\frac{1}{2}$ inches thick; symmetrical; only slightly tapered. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

Chicago Pickling

60 days. Very prolific and one of the most popular kinds for pickling and slicing. Fruits deep medium green; black spined; 6 to 7 inches long, $2\frac{1}{2}$ to $2\frac{3}{4}$ inches thick; taper very slightly toward each end; uniform. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

Small Gherkin

Of superior quality for pickles. This is the true West India gherkin, and not a true cucumber. Very prolific; fruits for pickles are produced in about 60 days. Fruits pale green; prickly over entire surface; become $1\frac{1}{2}$ to 2 inches long; oval; very uniform; seeds numerous and small. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., 1 lb. \$1.75.

Davis Perfect

68 days. An improved strain of white spine. Splendid dark green slicing variety, particularly valuable for shipping. Fruits very dark green; retain color long after picking; 9 to 11 inches long; $2\frac{1}{2}$ inches thick; somewhat tapered at both ends; very few seeds. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.10.

Early Cluster

56 days. Very fine pickling sort; very popular for early slicers. Fruits medium dark green; black spined; $5\frac{1}{2}$ inches long; $2\frac{3}{4}$ inches thick; cylindrical and full at both ends. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.



Long Green

CUCUMBERS . Continued

Early Fortune

66 days. One of the most desirable slicing sorts; extensively grown for shipping. Fruits very dark green, color retained a long time after harvest; white spined; 8 to 9 inches long; 2½ inches thick; only slightly tapered; very uniform. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.10.

Early White Spine

60 days. The most popular white spined cucumber for the home garden; extensively grown for shipping. Fruits medium dark green; remain in good condition remarkably long; 7 inches long; 2½ inches thick; slightly tapered; blunt. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.00.

Long Green Improved

70 days. Vines very vigorous and productive. One of the best, if not the best, variety for slicing and salting. A very shy seeder, but very prolific, black spines. A universal favorite. Hardy and disease resistant, fruit somewhat pointed at the ends with warts particularly on stem end. Pkt. 10 cts., 1 oz. 20 cts., ¼ lb. 60 cts., 1 lb. \$1.75.

Long Green

A good all-round Cucumber. One of the best varieties for slicing, and when young are excellent for pickling. Vines are hardy and vigorous, producing long, dark green fruits in great abundance. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 35 cts., 1 lb. \$1.00.

New Longfellow

72 days. Particularly valuable for shipping. Fruits handsome; extremely dark green over entire surface, retain the color remarkably long after picking; white spined; 12 to 14 inches long; 2½ to 2¾ inches thick; straight, well filled at ends; very few seeds. Pkt. 10 cts., 1 oz. 20 cts., ¼ lb. 60 cts., 1 lb. \$1.75.

If cucumbers are left on vine to ripen they destroy its productiveness.



Bender's Surprise

Muskmelon Orange Fleshed Varieties Bender's Surprise

Orange fleshed, deliciously sweet, highly flavored melon, oval in shape, light green with coarse netting. A wonderful keeper and shipper. Very popular with and valuable for market gardeners. Our strain of Bender's is very fine. Pkt. 10 cts., 1 oz. 20 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

Emerald Gem

80 days. The standard very early variety for home garden and nearby market. Fruits flattened globe shape, 5 to 5½ inches long, ribbed; smooth with practically no netting; not suitable for shipping. Flesh very thick; deep salmon-orange; sweet, juicy and aromatic. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

Extra Early Osage

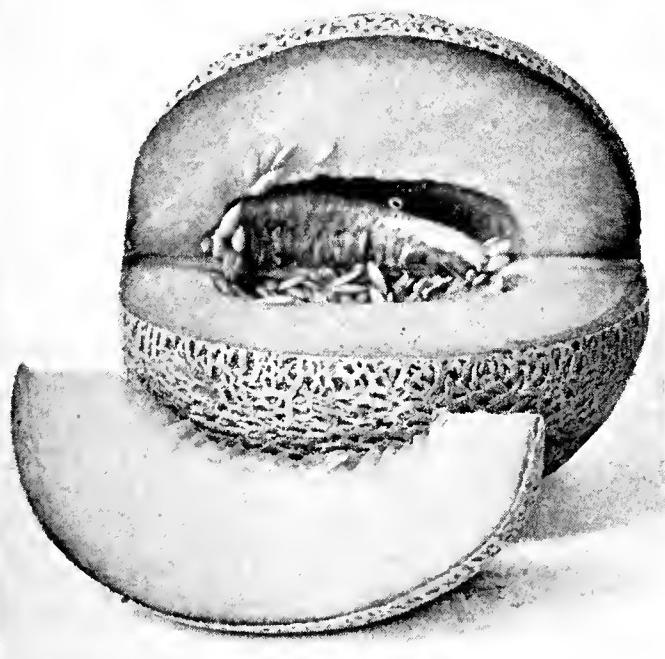
84 days. Standard variety of splendid quality for nearby markets and home gardens. Fruits 6 to 7 inches long; almost round; with shallow furrows and sparse shallow netting. Flesh very thick; salmon-orange; fine grained, sweet and aromatic. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.50.

Irondequoit or Tip Top

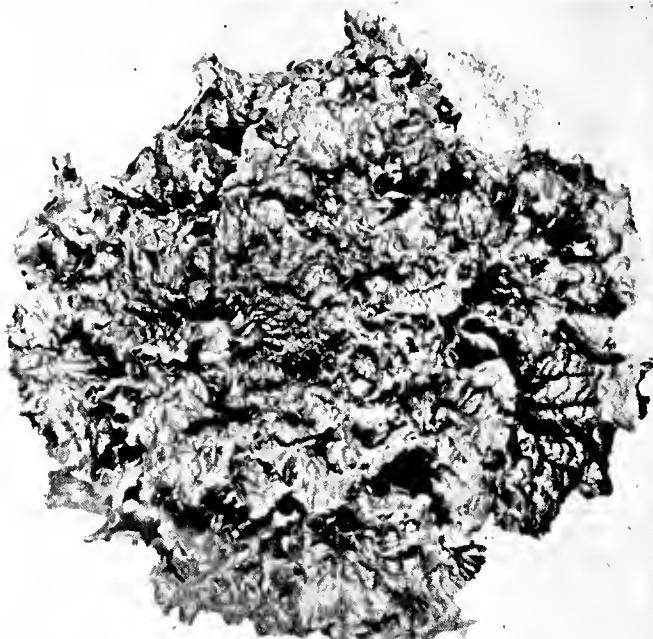
A fine yellow fleshed melon. Vines are hardy and very productive. Melons are large, excellently shaped, distinctively ribbed and netted. The flesh is solid, very thick, with small seed cavity. Rich salmon yellow, sweet and of a most delicious flavor. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

Hale's Best

A very early melon, ripening in 70 to 80 days. The nearly round fruits are normally 6 to 6½ inches long, densely covered with medium heavy netting and almost devoid of ribbing. The flesh is very thick and fine grained, deep salmon-pink in color, and richly flavored. Pkt. 10 cts., 1 oz. 20 cts., ¼ lb. 40 cts., 1 lb. \$1.35.



Irondequoit



Black Seeded Simpson

MUSKMELON . Continued**Honey Rock (or Sugar Rock)**

A rather new melon originating in Indiana and acquiring immediate popularity on account of its high quality. Of medium size with a gray-green skin moderately covered with a heavy, coarse netting; rich salmon flesh. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Lake Champlain**Combines Earliness, Quality and Productiveness**

This is the earliest Muskmelon of good quality. The flesh is deep, very sweet and melting, of golden yellow color. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 40 cts., 1 lb. \$1.35.

Green Fleshed Varieties**Extra Early Hackensack**

80 days. The standard extremely early, large fruited melon for home garden and nearby market. Fruits large, deep but flattened; commonly 6 inches long and 7 inches in diameter; distinctly ribbed; partially netted. Flesh thick; green; sweet and juicy. 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Netted Gem or Rocky Ford

92 days. Well-known, widely cultivated shipping and market garden sort. Fruits small; oval; about 5 inches long, 4 1/2 inches in diameter; show no ribbing; entirely covered with uniform netting. Flesh thick; green; sweet, juicy and of good flavor. 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Lettuce

In the following concise descriptions we have indicated the usual number of days required by the varieties to produce heads in northern sections of the United States from seed sown out-of-doors late in April or early in May. The number of days is not indicative of the time required under best conditions for growth in the lettuce growing sections of California and Arizona, but does indicate the comparative earliness of the varieties we list. Symbols: w. s.—White Seeded; b. s.—Black Seeded.

Cabbage or Heading**Iceberg . w. s.**

82 days. Very popular for near markets and home garden; tender head and thin leaves make it unsuitable for shipping. Plant large with broad, crisp, wavy light green leaves tinged brown on margins. Head very large, hard, crumpled; white inside; crisp, very sweet and of good quality but not buttery. Must not be confused with the familiar shipping variety, New York, which is commonly called Iceberg by shippers and green grocers. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Big Boston . w. s.

76 days. Very popular in all parts of the world; known as Trocadero in Europe. Especially valuable for summer and fall use out-of-doors, and for hot-bed and cold frame culture. It is a cabbage, butter-head type with glossy, plain edged leaves tinged brown on the margins; forms a firm, well folded head, buttery-yellow at the heart and of excellent quality. It is largely grown on muck ground for shipping to larger cities. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

May King . w. s.

61 days. The earliest heading lettuce; standard for greenhouse forcing and does splendidly out-of-doors in early spring. Plants small, allowing very close planting; light green tinged slightly with brown; head medium small, round, firm; interior rich golden yellow, buttery, of splendid quality. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

White Boston . w. s.

This is a cabbage, butter-head type, leaves smooth and straight on the edges. Plant and head entirely light green; heart buttery and yellow. This strain is the best in existence and we have given it this name properly to distinguish it from Big Boston. The heads resemble Big Boston but form earlier and do not have the red tinge of that variety. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 60 cts., 1 lb. \$1.60.

New York Special No. 12

An early variety which does well in mid-summer and is an even and well-bred selection. It is a trifle lighter in color than other strains of New York but is popular with shippers. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 50 cts., 1 lb. \$1.50.

Crisp as Ice

76 days. Particularly valuable for home and market gardens; forms heads under rather adverse weather conditions. Plant medium small; deep green overlaid with dark brown; forms firm well blanched head of delicate buttery flavor and tender quality. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 60 cts., 1 lb. \$1.75.

Hanson

82 days. One of the most popular home and market garden sorts; very hardy; widely used in all parts of America. Plant very large with broad, thick, frilled, light yellowish-green leaves, forms quite large, globular, very hard cabbage-like head which is white at the heart, crisp, sweet, and tender. It is best known under the name "Nonpareil" in Canada. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Sow lettuce often and a little at a time for a continuous supply.

Lettuce

Loose Leaved Varieties

Black Seeded Simpson

Early. Dependable in all parts of America and widely grown in home and market gardens. Plant large, attractive, compact; with broad, frilled light green leaves that are of fine crisp texture and splendid quality. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Early Curled Simpson . w. s.

Early. Also well-known as "White Seeded Simpson." Very hardy and dependable; particularly popular for home gardens. Plant large, compact, bright light lustrous green; leaves broad, frilled, firm, crisp, sweet and of good quality. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Grand Rapids . b. s.

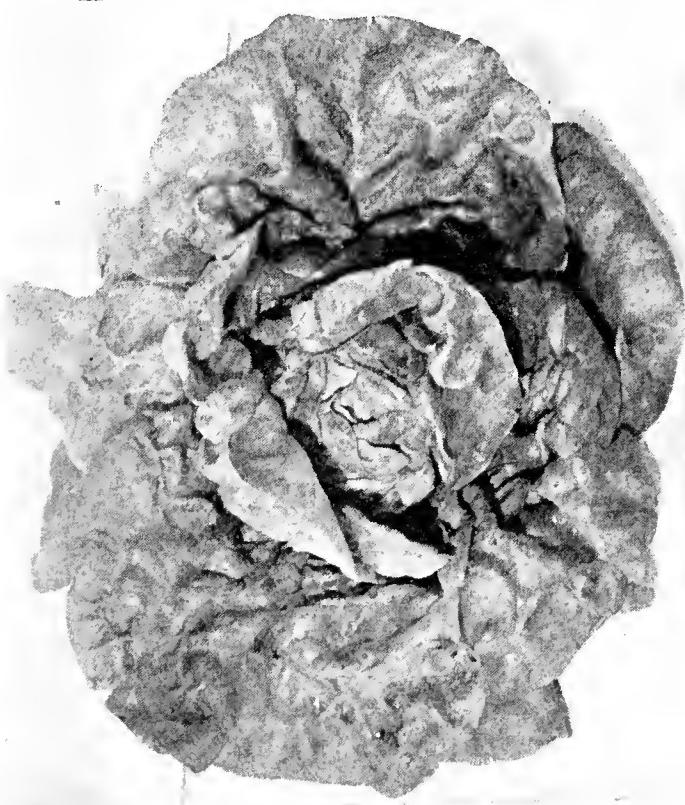
Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants large, upright, compact and handsome; bright solid light green; leaves large, broad, margin much waved and frilled; very tender and sweet when grown under glass. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Prize Head . w. s.

Very early, quick growing and one of the most popular for home gardens, particularly on the Atlantic Coast. Plant medium large, strictly loose-leaf; leaves broad, crumpled and frilled; outside leaves tinged red, inner leaves wholly green; very crisp, sweet and tender. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Chicken Lettuce

All kinds of poultry eat it greedily. This lettuce will yield more feed for your poultry or rabbits than any plant you may use for greens. Grows from 3 1/2 to 4 feet high. Ready to cut in about 45 days. After cutting it starts to grow again. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.



Big Boston



Kleckley's Sweet

Cos or Romaine

All cos varieties should be planted for late summer or early fall use, when they form firm nicely folded heads. If they come to maturity in the heat of summer the flower stalks develop before the head is well formed. Cos varieties are distinct from other varieties of lettuce and on account of the thick leaves and the thick brittle midrib, are sometimes called celery lettuce. Cos lettuce is very popular and of superior quality.

White Paris Self Folding . w. s.

77 days. Most popular variety for the home and market garden; likewise the best for forcing. Plants medium large and upright; medium light green with firm, spoon formed straight edged outer leaves and upright, loaf-shaped, well folded firm head 12 to 16 inches tall which is whitish-green inside and heavy, white brittle mid-ribs; hard and crisp in texture but very sweet and considered by some the standard of excellence in lettuce. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 40 cts., 1 lb. \$1.25.

Watermelon

Citron (Red Seeded)

Mature size in about 95 days. Standard preserving citron. Fruits globe-shaped; 7 to 8 inches in diameter; medium green streaked with dark green; smooth, very hard; flesh white; very firm; unpalatable in raw state. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

Cole's Early

This melon ripens very early and is a good variety on this account to raise in the Northern States. Any one who has light soil in a sunny warm situation can raise these melons. The fruit is good size slightly oblong and marbled with light and dark green. The flesh is bright red and of good quality. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

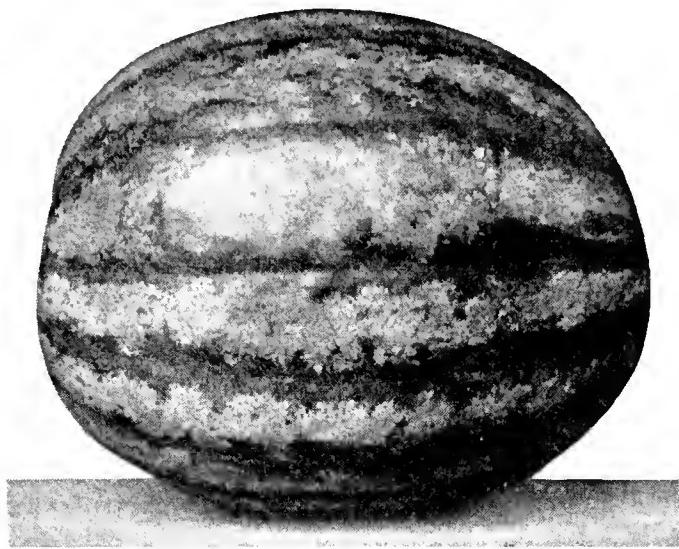
Fordhook Early

This extra early variety grows well in a fairly cool climate and is, therefore, very desirable in the northern parts of the country where watermelons ordinarily will not ripen. Are slightly oval, dark green mottled with darker stripes. The flesh is bright red and of fine quality. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

TOBACCO DUST

Save your Radishes and Turnips from worms.

Strew it generously in the row before sowing. It acts as a repellent for many insects infesting the soil. Deserves much more general use. Dusted over Cucumbers, Melons and Squashes it helps greatly to rid these vines of the destructive bugs. Apply in the morning when the plants are covered with dew. 5 lbs. 35 cts. (P.P. 45 cts) 10 lbs. 60 cts., 25 lbs. \$1.00, 100 lbs. \$3.25. Postage extra.



Harris' Earliest

Kleckley's Sweets or Monte Cristo

This melon has become famous for its high quality. Melons are large size, long, dark green with very solid, crisp, bright red flesh and white seeds. It is of superb quality. It is medium early and can be successfully raised anywhere south of New York State and in favorable seasons farther north. We raised some fine large melons of this kind in our trial grounds this year. Our Northern grown seed is much superior to seed grown in the South. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

Harris' Earliest

Extremely early. The best extremely early variety; very popular in Northern sections. Fruits medium size; broad oval; dark green stripes alternate with lighter; rind brittle; flesh bright red; of good quality; seeds blackish. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

Tom Watson

This long smooth melon is especially favored in the South. The rich green skin is faintly webbed with a veining of deeper green, and the thin rind is tough and rubbery. Vines hardy, vigorous, and productive; flesh distinctly crisp and juicy. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

Halbert Honey

Medium early. Can be successfully raised in some of the Northern States. Quite long with blunt ends; deep green with rich, deep red, sugary flesh, extending to within an inch of the outside shell. Rind is rather thin for a good shipping melon. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

Parsley**Extra Triple Curled (Moss Curled)**

Plant very compact, leaves very dark green and so finely cut and closely curled as to resemble tufts of moss. Aside from its value for flavoring and garnishing the plant is decorative. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 30 cts., 1 lb. 75 cts.

Hamburg . Thick Rooted

Plain leaved variety which forms a large, thick, edible root. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 30 cts., 1 lb. 75 cts.

Plain or Single

The standard variety of plain leaved parsley. Leaves dark green, deeply cut but not curled. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 30 cts., 1 lb. 75 cts.

Onions

In our selecting operations particular attention is paid to curing quality and keeping quality.

Our bulbs are subjected to a long storage period to eliminate any occasional poor keeping individuals before planting the mother bulbs in the spring for stock seed.

Yellow Globe Danvers

Very popular and somewhat earlier than Ohio and Southport Yellow Globes. Bulbs medium large, globe-shaped, pure yellow; flesh white with faint tinge of yellow, firm and hard. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 60 cts., 1 lb. \$1.80.

Mountain Danvers

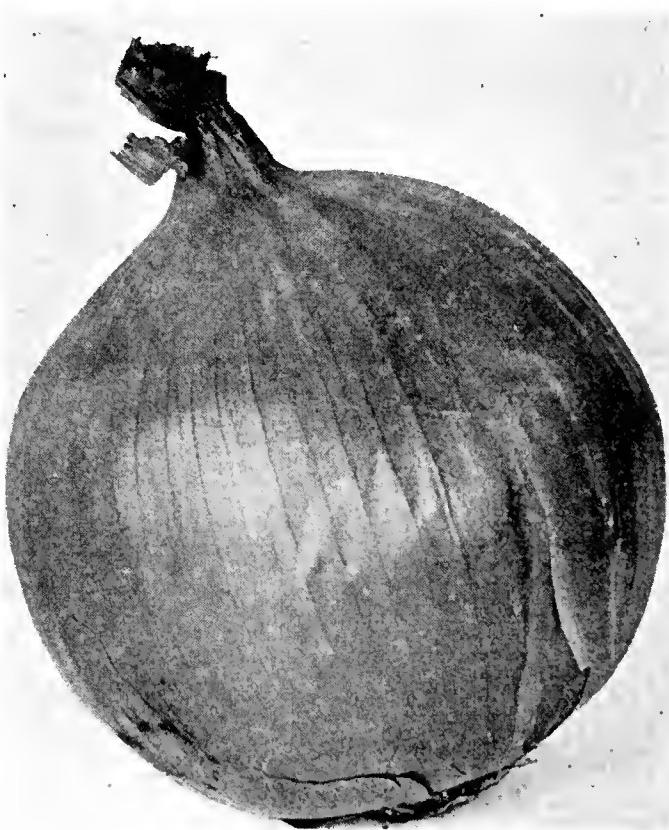
A very early maturing strain of Yellow Globe Onion, originating in the mountains of Colorado. Deep yellow color and very firm. They ripen two to three weeks earlier than Yellow Globe Danvers. These onions have remarkable keeping qualities and can be safely stored all winter and are valuable on this account where seasons are short. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 60 cts., 1 lb. \$2.00.

Ebenezer

Produces excellent sets of extraordinary keeping quality which planted in the spring produce early mature onions for market. Bulbs medium size; deep-flat in shape; pure deep yellow; very firm and hard. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 60 cts., 1 lb. \$1.80.

Prizetaker

(Same as Mammoth Yellow Spanish or Valencia). The most widely grown of the Sweet Spanish class. Enormously productive, widely grown for shipping. Bulbs large, globular; skin thin, glossy and of a lighter shade of yellow than Ohio and Southport Yellow Globes; flesh coarse but mild and sweet. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 60 cts., 1 lb. \$1.80.



Yellow Globe Danvers

Red Wethersfield

Standard late variety of splendid keeping quality; excellent for sets and for mature bulbs. Bulbs large; flat but rather deep; skin deep purplish-red; flesh white with faint pink flush; flavor strong. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$1.80.

Southport Red Globe

Standard late variety used in large quantities in some markets; splendid keeper. Bulbs large; globe-shaped; skin thick, very deep purplish-red; flesh white with faint tinge of pink; flavor strong. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$1.80.

Southport White Globe

Standard late variety of highest quality. Bulbs medium large; globular; firm; skin clear white; flesh clear white and fairly mild; keeps well but not so long as the standard colored globes. Pkt. 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., 1 lb. \$2.25.

Southport Yellow Globe

Standard late variety of splendid keeping quality. Bulbs large; globular; skin deep orange-yellow; flesh fine grained; fairly strong. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$1.80.

Sweet Spanish (Riverside Strain)

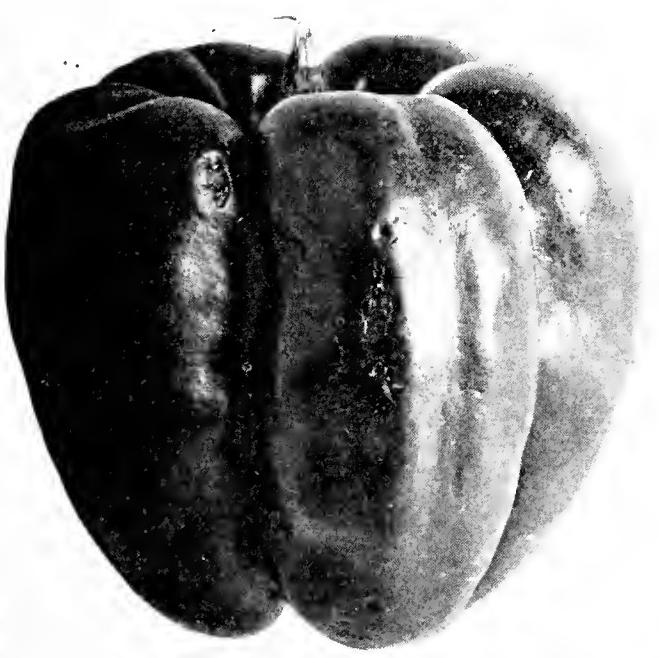
The best of the very large mild varieties, and while one of the original Spanish types, is a better keeper, having been selected for keeping qualities. It is deep amber-orange in color, with a small neck, and is globular. Pkt. 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 80 cts., 1 lb. \$2.75.

White Portugal (American Silverskin)

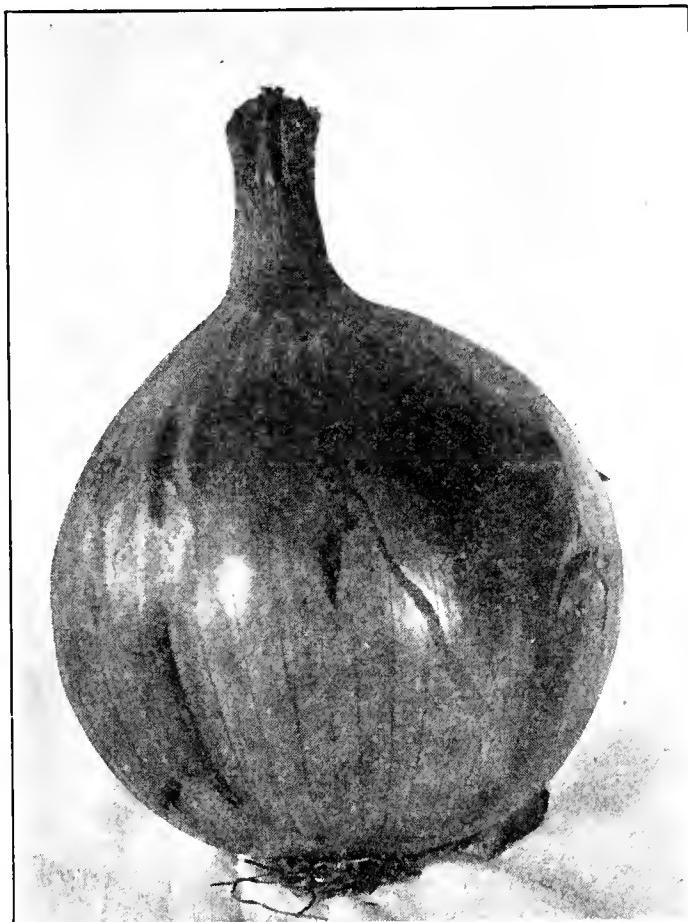
Most widely used white onion for sets, pickling onions, mature bulbs and for bunching onions from seed. Bulbs of medium size; flat but fairly deep; pure white; flesh fine grained, firm and hard. A splendid keeper. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 75 cts., 1 lb. \$2.40.

Onion Sets

Three quarts of sets will plant 100 yards of rows. Market prices on application.



Harris' Early Giant



Southport Red Globe

Peppers

In order to indicate the relative earliness of the varieties of peppers, we have stated the number of days commonly required under ordinary favorable conditions to produce a significant picking of marketable green peppers, calculating from the time that well grown young plants are set in the open field late in May or early in June. It requires 6 to 8 weeks to produce young plants for the field.

California Wonder

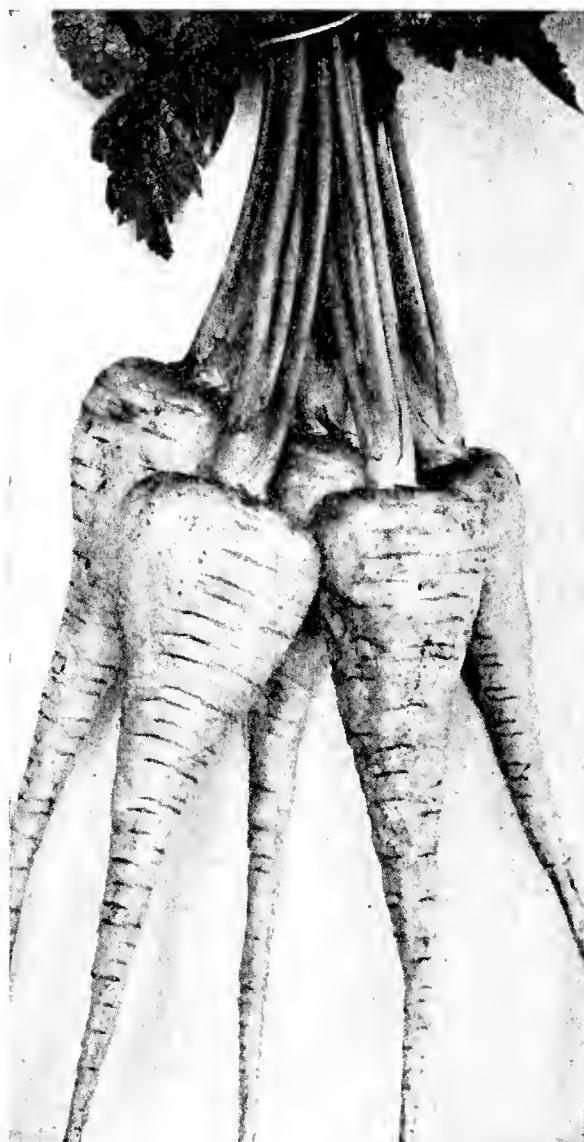
(Sweet.) 72 days; large green fruits available practically as early as Ruby King. This is the standard of excellence in sweet peppers; much used, particularly by market growers and shippers. Plant thrifty, upright, heavily productive over a long season. Fruits handsome, very large, very smooth and regular; commonly 4 $\frac{1}{2}$ inches long and 3 $\frac{1}{2}$ to 4 inches through; deep green, becoming bright crimson; flesh extremely thick and firm, sweet throughout and of distinct flavor. Our stock is in a class by itself and definitely superior to that from other sources. Pkt. 10 cts.; 1 oz. 60 cts., $\frac{1}{4}$ lb. \$1.90, 1 lb. \$6.50.

Large Sweet Spanish

80 days. Popular for home and market garden. Plants large, upright, heavily productive. Fruits 6 to 7 inches long, 2 $\frac{1}{4}$ inches through; very slightly tapered; dark green becoming rich red; sweet throughout. Pkt. 10 cts., 1 oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, 1 lb. \$4.00.

Long Red Cayenne

(Hot.) 70 days. A leading sort for use in pickles, for canning and for drying. Plants large, very prolific. Fruits 5 inches long, $\frac{1}{2}$ inch through, tapered; deep green, becoming bright red; very pungent. Pkt. 10 cts., 1 oz. 40 cts., $\frac{1}{4}$ lb. \$1.40, 1 lb. \$4.50.



Short Thick Parsnips

PEPPERS . Continued**Sunnybrook**

A tomato-shaped sweet, red pepper of much merit. Fruit smooth, upright, 3 inches in diameter by 2½ inches in depth with thick flesh; moderately early. Pkt. 10 cts., 1 oz. 50 cts., ¼ lb. \$1.40, 1 lb. \$4.50.

Pimiento

(Sweet.) 72 days. Standard variety for home and market garden, grown on large scale for canning whole. Plants large, upright, heavily productive. Fruits very smooth, regular heart-shaped, commonly about 3 inches long (easily cored for canning); deep green, becoming deep red; flesh very thick, sweet and of splendid flavor. Pkt. 10 cts., 1 oz. 40 cts., ¼ lb. \$1.00, 1 lb. \$3.25.

Red Cherry

(Hot.) Ripe 85 days. Plants erect, heavily productive. Fruits small, globular, about 7/8 inch in diameter; smooth, firm; deep green becoming bright red; very pungent. Pkt. 10 cts., 1 oz. 40 cts., ¼ lb. \$1.25, 1 lb. \$4.00.

Ruby King

(Sweet.) 68 days. Standard for home, market garden and shipping. Plants vigorous, upright, prolific. Fruits large, 4½ to 5 inches long, 2½ inches through, slightly tapered; deep green becoming

bright deep red; flesh thick, sweet and mild. One of the most popular varieties grown. Pkt. 10 cts., 1 oz. 40 cts., ¼ lb. \$1.00, 1 lb. \$3.25.

Giant Crimson

(Sweet) 85 days. Popular home and market sort. Plants large, thrifty and fairly productive. Fruits very large; commonly 5 to 6 inches long and 4 inches through; slightly tapered; deep green, becoming deep crimson; mild and sweet throughout. Pkt. 10 cts., 1 oz. 40 cts., ¼ lb. \$1.50, 1 lb. \$5.00.

Harris' Early Giant

(Sweet.) 63 days. The best very early sweet pepper for home and market gardens, particularly in the North. Plants vigorous, erect, extremely prolific. Fruits large, 4½ inches long, 3½ inches through, very slightly tapered; deep green becoming brilliant red; sweet throughout. Pkt. 10 cts., 1 oz. 60 cts., ¼ lb. \$1.75, 1 lb. \$6.00.

Pumpkin**Large Yellow or Connecticut Field**

The standard field pumpkin, grown for pies, canning and stock field. Fruits very large, commonly 10 inches long, 12 inches in diameter and weight 20 pounds, sometimes much larger; skin smooth, deep orange-yellow; shell thin, hard; flesh thick, coarse, sweet and deep yellow. 1 oz. 10 cts., ¼ lb. 25 cts., 1 lb. 70 cts.

Sugar or New England Pie

The earliest and best for pies; much grown in home and market gardens and for shipping. Fruits commonly 6 inches long and 8 to 9 inches in diameter; flattened; furrowed; skin smooth, rich reddish-orange; rind hard; flesh thick, orange-yellow, of unexcelled quality. 1 oz. 10 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

Winter Luxury

This variety is very popular for the home garden. The fruit matures in 75 to 80 days, weighs 8½ pounds, and is nearly round. The skin is light yellow with a russet tinge and finely netted; the flesh is rich creamy-yellow, very thick, sweet, and finely flavored. 1 oz. 10 cts., ¼ lb. 35 cts., 1 lb. \$1.00.

Parsnip**Hollow Crown . Thick Shoulder**

Roots 12 to 15 inches long, 3 inches thick at shoulder; tapered; smooth and straight and of fine quality. We have a fine strain of this popular variety. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 70 cts.

Short Thick

This little parsnip makes a fine garden vegetable. The tops are only about half the size of Hollow Crown. The roots are short and thick, having a diameter of 2½ to 3½ inches and a length of only 6 or 8 inches at the thickened part. The roots are full crowned and rounded on top with a small neck, giving them a smooth, attractive appearance. Fully a month earlier than Hollow Crown, it often reaches full size in 100 days from planting time. Pkt. 10 cts., 1 oz. 20 cts., ¼ lb. 40 cts., 1 lb. \$1.25.

5 ct. Pkts. if desired

Peas

We have indicated for each variety the average number of days required to produce peas for table use, based on many years of observation. Very often peas are gathered several days earlier than indicated here, but the average is more indicative of their behavior under ordinary circumstances.

First Early and Early Varieties

Gradus

58 days. Splendid early large podded sort for home and market garden. Vines medium green; 3 to 3½ feet tall. Pods borne singly; attractive medium green; 4 inches long; ⅜ inch wide, plump, well filled; tapered at end. Seeds large, wrinkled; cream and green; interior yellow. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Alaska

54 days. This variety and Extra Early are the earliest garden peas in cultivation. Alaska is the most widely grown pea for canning purposes. Vines 33 inches tall; slender; crop matures uniformly. Pods borne singly; light green; 2½ inches long, ½ inch wide; very plump; blunt. Seeds small; round; medium green with bluish cast; interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

American Wonder

59 days. Very important early dwarf variety for the home garden: the same as Nott's Excelsior. Vines 12 to 14 inches high; dark green; very productive. Pods medium green; 3 inches long, ½ inch wide, plump, straight, blunt ended; seeds medium small, squarish, wrinkled, green; interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Market Peas No. 122 (New)

One of the finest early midseason Garden peas for market purposes and home garden. Vines are robust, grow from 24 to 30 inches tall, are quite bushy and stool freely. Leaves are medium large and dark green. Pods straight, pointed, smooth, dark green in color and well filled with 8 to 11 peas per pod. Pods being 5 to 5½ inches long and ¾ inches broad. Unusually productive. ¼ lb. 10 cts., ½ lb. 20 cts., 1 lb. 35 cts., 10 lbs. \$3.00.

Hundredfold or Blue Bantam

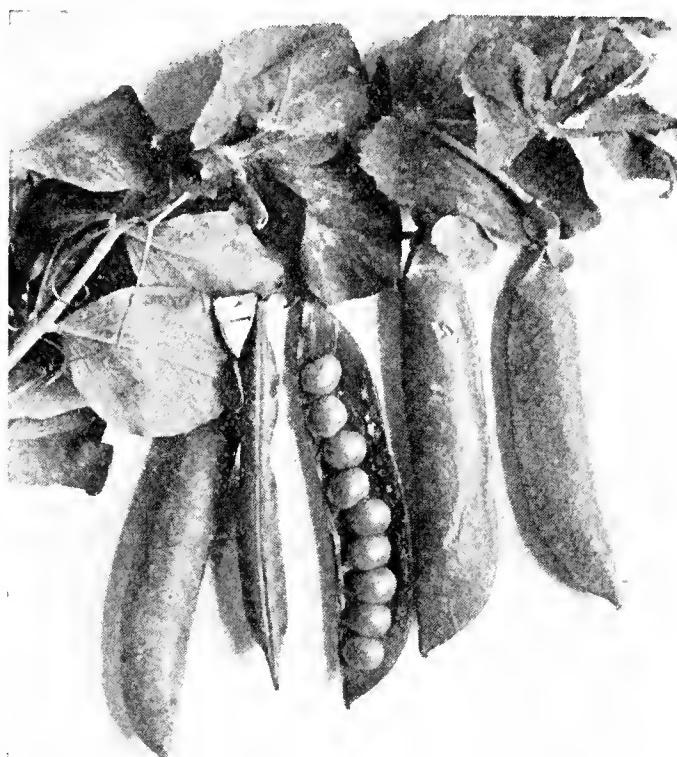
62 days. Prolific, large podded, dwarf variety for home, market garden and shipping. Vines 18 inches tall, dark green. Pods borne singly; dark green; 4 to 4½ inches long, ¾ inch wide, plump; tapered at tip. Seeds large, wrinkled, cream; interior yellow. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Laxton's Progress

60 days. Splendid variety for home, market garden and shipping. Vines dwarf; 20 inches tall; dark green; prolific. Pods handsome; dark green; very large for dwarf variety; fully 4 inches long, ¾ inch wide, plump; tapered at end. Seeds large, wrinkled; cream; interior yellow. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Nott's Excelsior

59 days. Very important early dwarf variety for the home garden; the same as American Wonder. Vines 12 to 14 inches high; dark green; very productive. Peas of superior quality. Pods medium green; 3 inches long, ½ inch wide; plump, straight; blunt ended. Seeds medium small, squarish, wrinkled, green; interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.



Little Marvel

Thomas Laxton

57 days. A popular market pea. Unsurpassed for the home garden as an early large podded pea of high quality. Vines 3 to 3½ feet tall, dark green. Pods dark green; 3½ inches long, ⅝ inch wide, plump; blunt. Seeds large; wrinkled, cream and green; interior yellow. As a money-maker this pea surpasses all others. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Laxtonian

62 days. Similar to Hundredfold in type and usefulness. Vines 16 to 19 inches tall; medium dark green. Pods borne singly; slightly curved; 4 to 4½ inches long; ¾ inch wide, plump; tapered at tip. Seeds large, wrinkled; green and cream. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

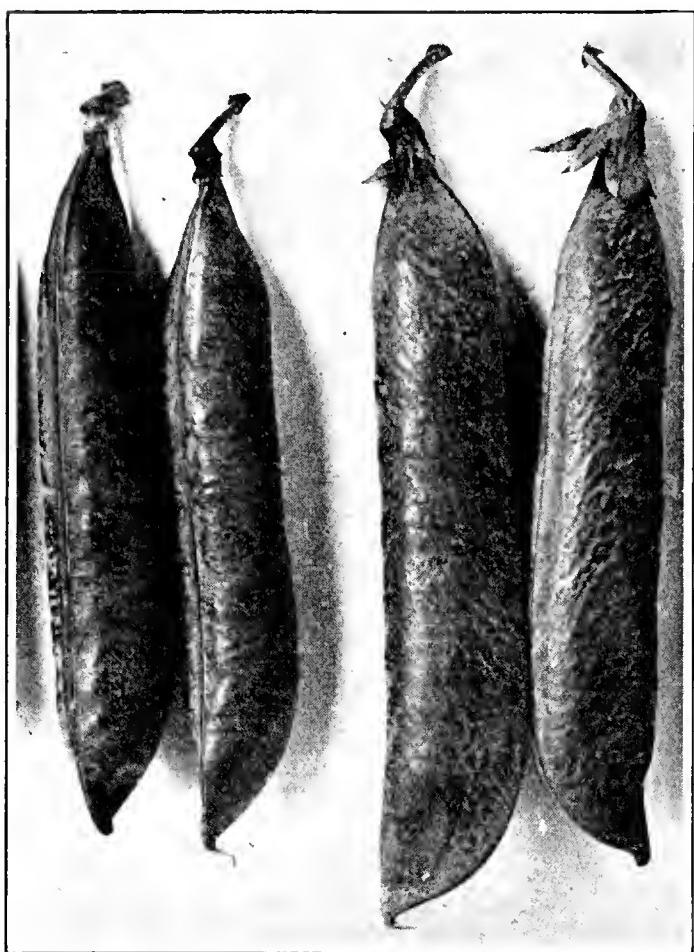
Little Marvel

62 to 64 days. Unsurpassed in quality and productiveness; particularly valuable for the home garden. Vines 18 to 20 inches tall; dark green; very thrifty, very prolific. Pods dark green; 3 inches long, ½ inch wide; very plump; straight; blunt ended. Seeds medium sized, squarish, distinctly wrinkled, green; interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Premium Gem

62 days. Valuable home garden variety. Vines 18 inches tall, medium green. Pods medium green; 2¾ inches long, ½ inch thick; plump, straight; blunt ended. Seeds medium sized; green; wrinkled; interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Write for Dealer's or Quantity Prices.



Premium Gem

Blue Bantam

PEAS . Continued

Later Varieties

Champion of England

79 days. Excellent for home and market gardens. Vines 4½ to 5 feet tall; dark green; branched. Pods light green, often in pairs; 3 inches long, ½ inch wide; very plump; straight; blunt. Seeds medium size; finely wrinkled; green; interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Alderman

75 days. Splendid dark podded variety of the Telephone group for home, market garden and shipping. Vines 4½ to 5 feet tall, dark green. Pods dark green; 4½ to 5½ inches long, ¾ inch wide, plump, straight, tapered at tip. Seeds large, wrinkled, pear-shaped, green; interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Bliss Everbearing

72 days. Popular for the home garden. Vines 30 inches tall; dark green; thrifty; of long bearing period. Pods medium green; borne in pairs; 3 inches long; ½ inch wide; plump; straight, blunt. Green peas large, sweet; of marrowy texture and flavor. Dry seeds large; green; flattish, coarsely wrinkled; interior pale green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Telephone

73 days. One of the best home and market garden sorts; sometimes used for canning. Vines 4 to 4½ feet tall, medium green. Pods borne singly; rich medium green; 4½ inches long, ¾ inch wide; plump, straight, tapered at end. Dry seeds large, pear-shaped, wrinkled, green, interior green. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Dwarf Telephone or Daisy

70 to 75 days. Very satisfactory for home, market garden and shipping. Vines 24 inches tall, thrifty; deep green. Pods deep green; 4¼ inches long, ¾ inch wide; plump, tapered at end. Seeds large, wrinkled, green. This is a splendid, uniform stock recently developed by us. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

Melting Sugar (Edible Pod)

Edible pods. 72 days. The best flat podded edible pod variety for home and market garden. Vines 4½ feet tall; light green. Pods 4¼ inches long; ¾ inch wide; flat, straight, tapered at end; fleshy, stringless, brittle; free of parchment; of splendid quality used in the manner of snap beans. Seeds medium large; round; smooth; creamy white; interior yellow. ¼ lb. 10 cts., ½ lb. 15 cts., 1 lb. 25 cts., 2 lbs. 45 cts., 10 lbs. \$2.20.

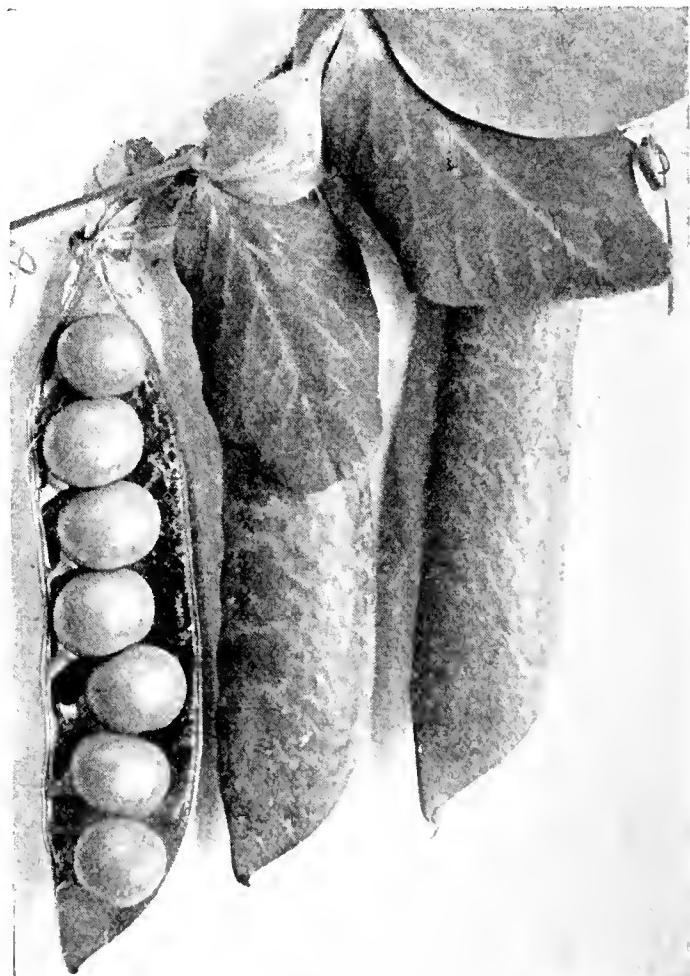
Radish

We have indicated below the number of days required under favorable conditions to produce roots of satisfactory bunching size.

Early Scarlet Globe

23 days. Our strain of this standard very early sort is superior and is equally valuable for out of door culture and for forcing. Tops small, ideal for bunching. Roots slightly elongated globe (so-called "broad-olive" shape); 1¼ inch long when ideal for use; with slender, well defined tap root; uniform rich bright scarlet; flesh white, crisp and of splendid quality. Pkt. 10 cts., 1 oz. 15 cts., ¼ lb. 25 cts., 1 lb. 75 cts.

Special Prices to Market Gardeners



Laxton's Progress (Extra Early Pea)

Crimson Giant

29 days. Superior home and market garden sort. Tops medium small. Roots spherical to slightly top-shaped; deep crimson; the largest of the early turnip-rooted radishes; commonly attain diameter of $1\frac{1}{2}$ inches before becoming pithy; of unexcelled quality. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

French Breakfast

25 days. Standard home and market garden sort; also suitable for forcing. Tops small. Roots oblong, blunt, with slender well defined tap root; about $1\frac{1}{2}$ inches long and $\frac{5}{8}$ inch through; rich scarlet with white bottom; flesh white, crisp and of splendid quality. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

Icicle

27 days. Decidedly the best early white variety and considered by many the standard of excellence in radish. Particularly popular in home and market gardens. Tops small. Roots long, tapered; very white throughout; brittle as ice; of splendid quality until 5 to 6 inches long and $\frac{1}{2}$ inch thick or larger; mild and of splendid flavor. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

Chartier or Long Rose

35 days. Roots slim and long, averaging 7 to 8 inches. Bright scarlet in color, very brilliant, shading to a white tip. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

Long Scarlet . Short Top

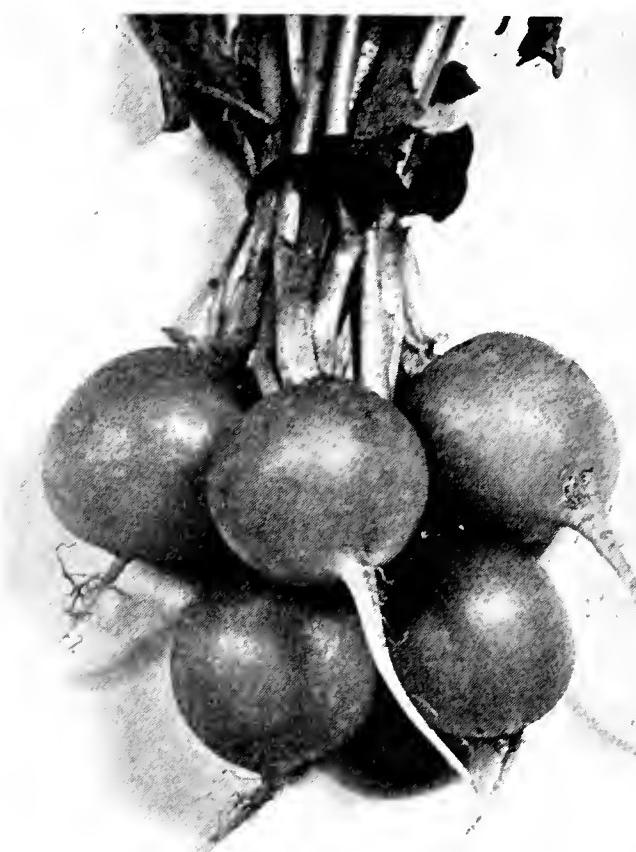
27 days. Standard home and market garden sort. Roots long, tapered; become 4 to 5 inches long and $\frac{3}{4}$ inch thick at shoulder; bright carmine red. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

Scarlet Turnip . White Tipped

25 days. Handsome, popular variety of outstand-



Icicle



Scarlet Globe

ing quality; much used in home and market gardens. Tops small. Roots deep turnip shape, almost globular, with slender tap root; bright scarlet (rosy carmine) with well defined white area about the tip; remain crisp and of splendid quality until $1\frac{1}{4}$ inches in diameter or greater. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

Sparkler

25 days. Popular home and market garden sort. Similar to Early Scarlet Turnip. White Tipped, but with more pronounced white area. Tops small. Roots deep turnip, almost globe shape; bright scarlet with pronounced white tip; crisp and of splendid quality until fairly large. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

White Strasburg

Roots are about five inches long, thick at the shoulder and abruptly tapering; skin and flesh pure white, and remain firm and brittle longer than most varieties. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

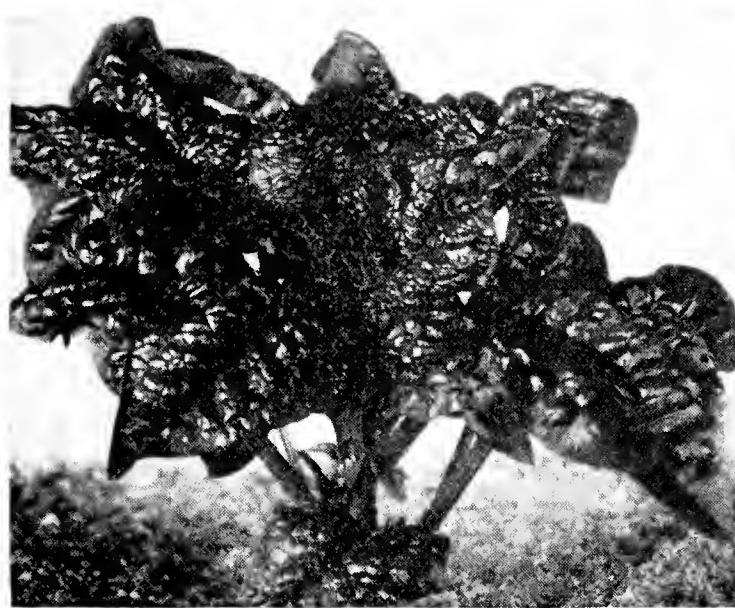
Winter Varieties

Seed of winter radish is sown during the latter part of July or in August. We have indicated the number of days required to produce roots suitable for table use. However, the roots continue to enlarge and are in splendid condition for storage at the onset of freezing weather.

Chinese Rose Winter (Scarlet China)

50 days. Roots become 6 to 7 inches long, $1\frac{3}{4}$ to 2 inches in diameter at shoulder and slightly broadened outward to 2 to $2\frac{1}{2}$ inches in diameter at the blunt base; skin smooth, uniform bright deep scarlet; flesh white, firm, crisp, and pungent. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 75 cts.

5 ct. Pkts. if desired



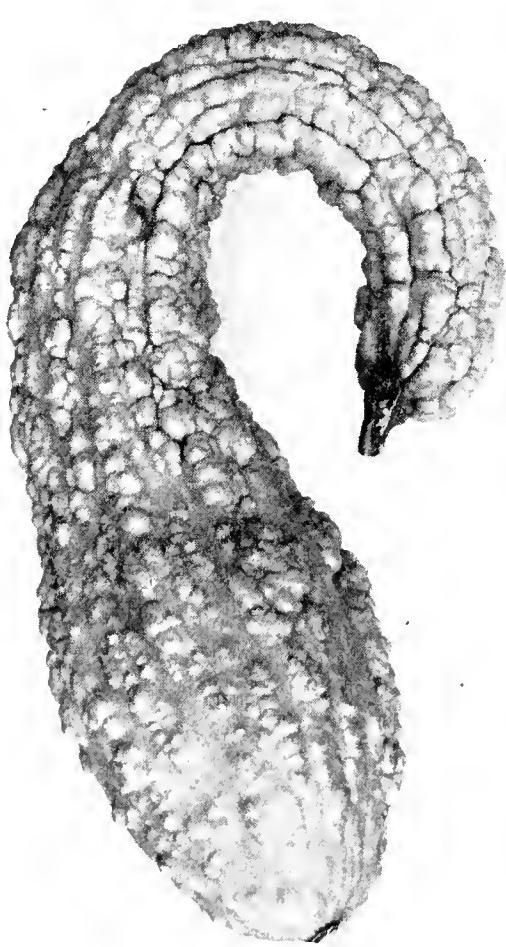
Long Standing Bloomsdale Spinach

Chinese White Winter (Celestial)

55 days. Roots about 8 inches long, 3 inches in diameter at mid-section; with square shoulder and blunt bottom; white, smooth; flesh white, firm, crisp, mildly pungent. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.

Long Black Spanish

55 days. Splendid keeper. Roots 8 to 9 inches long, 2 to 2 1/4 inches in diameter at shoulder and only slightly tapered; skin somewhat roughened; black; flesh white, very firm and crisp, pungent. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 75 cts.



Yellow Summer Crookneck

Round Black Spanish

55 days. Splendid keeper. Roots globular with slender well defined tap root; 3 1/2 to 4 inches in diameter; skin somewhat roughened, black; flesh white, firm, crisp and pungent. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 30 cts., 1 lb. 75 cts.

Salsify**Mammoth Sandwich Island**

The standard variety for home, market garden and shipping. Produces uniform, long tapered white roots. Pkt. 10 cts., 1 oz. 20 cts., 1/4 lb. 55 cts., 1 lb. \$1.85.

Spinach

We have indicated the number of days usually required to produce plants large enough to cut for market, from seed sown out-of-doors.

Long Standing Bloomsdale

(Round Seeded.) 45 days. Superior variety of the Bloomsdale or Savoy Leaved group much in demand for home and market gardens because of the uniform handsome plants and remarkable long standing quality. Resembles Savoy Leaved or Bloomsdale, but is a trifle later, of more compact habit, a trifle darker green and remains free of flower stalks about two weeks longer. 1 oz. 10 cts., 1 lb. 35 cts., 10 lbs. \$3.00.

Savoy Leaved or Bloomsdale

(Round Seeded.) 40 days. The standard very early sort for home and market garden. Plants upright and compact, attain height of 10 to 12 inches and spread of 12 to 15 inches. Leaves large; blistered and crumpled; rich deep, glossy green; of splendid quality. A very good spinach for shipping. 1 oz. 10 cts., 1 lb. 35 cts., 10 lbs. \$3.00.

Giant Thick Leaved (Nobel)

(Round Seeded.) 43 days. Decidedly the best of the round seeded thick leaved group. Because of the enormous yield, long standing character, and the deep green color and smooth character of the leaves, this is highly recommended for canning as well as for home and market garden. Leaves very large, thick, broad arrow-shaped with rounded tip. 1 oz. 10 cts., 1 lb. 35 cts., 10 lbs. \$3.00.

New Zealand (Tetragonia)

Distinct from other kinds of spinach and particularly valuable for culture in hot dry weather. Seeds comparatively large and nut-like. Plants very large and spreading; leaves numerous, small, triangular, thick, deep green. The tender leafy shoots are gathered repeatedly. Soak the seed before sowing. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 25 cts., 1 lb. 60 cts.

King of Denmark

(Round Seeded.) 48 days. Extremely long standing, smooth, dark green leaved sort for home and market garden as well as for canning. Plants large and spreading with large thick leaves that are only slightly crumpled. Spring sown crops are very often free of flower stalks until mid-summer. 1 oz. 10 cts., 1 lb. 35 cts., 10 lbs. \$3.00.

Squash . Summer Varieties**Early White Bush Scallop**

Standard summer scallop squash for home and market garden. Fruits uniform round, attain 9 inch diameter, flattened with scalloped margins; smooth; white. Pkt. 10 cts., 1 oz. 15 cts., 1/4 lb. 35 cts., 1 lb. \$1.00.

Giant Summer Straightneck

Particularly valuable for shipping because the straight fruits are more readily packed than the crookneck type with less waste of shipping space. Fruits handsome; deep orange with moderate shallow warted; straight, become 16 to 20 inches long and 4 inches through but are usable much smaller. It is altogether more desirable than the Crookneck for either home garden or market garden. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., 1 lb. \$1.50.

Italian Marrow . Cocozelle

Sometimes called summer asparagus because the young fruits when stewed are of a delicious flavor suggesting asparagus. Fruits straight, almost cylindrical; become 18 to 24 inches long and 5 inches in diameter; smooth, dark green with lighter green to yellow stripes; flesh pale greenish white. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

Yellow Summer Crookneck

Very prolific. Fruits become 12 to 14 inches long and $3\frac{1}{2}$ inches through; neck curved; skin bright orange-yellow, moderately warted. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., 1 lb. \$1.00.

Autumn and Winter Varieties**Warted Hubbard**

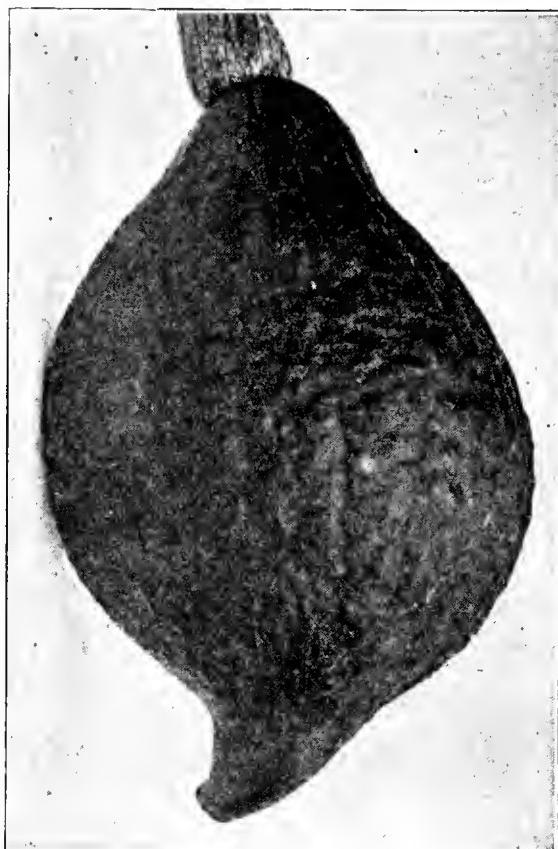
The standard winter squash for home, market garden and shipping. Fruits medium large; commonly 9 to 10 inches through; globular, dark bronze green, moderately warted; rind very hard and strong; flesh very thick, deep orange-yellow, fine grained and dry; of splendid quality. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

Delicious

The standard of excellence in winter squashes. Fruits broad top-shaped, commonly 7 to 8 inches long; skin very dark green, fairly smooth; rind thin but hard; flesh extremely thick, bright yellow, fine grained and dry, without fibre and of highest quality. A squash of exceptional merit for table use. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

Table Queen or Des Moines

Because of convenience for baking and serving in halves, this little squash has gained great popu-

**Hubbard**

larity. It weighs only about $1\frac{1}{2}$ pounds and is acorn-shaped, deeply furrowed, and dark green on the outside. The flesh is rich yellow, somewhat coarse grained, dry and mealy, and of delicious flavor. The vines yield prolifically, and the fruit matures in about 100 days. Pkt. 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$1.75.

Boston Marrow

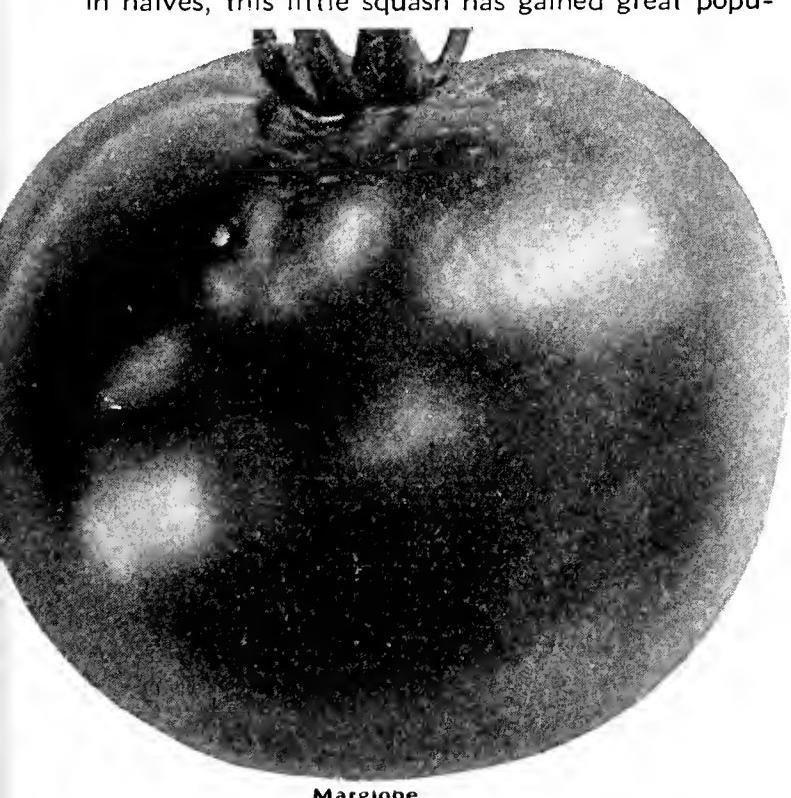
An abundance of large fruit, weighing 12 to 17 pounds, matures late, 120 days. They are irregularly oval with a moderately hard, rich orange skin. The fine grained, salmon-yellow flesh is fine flavored and keeps well. It is extensively used in home gardens and is a good substitute for pie pumpkin. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., 1 lb. 90 cts.

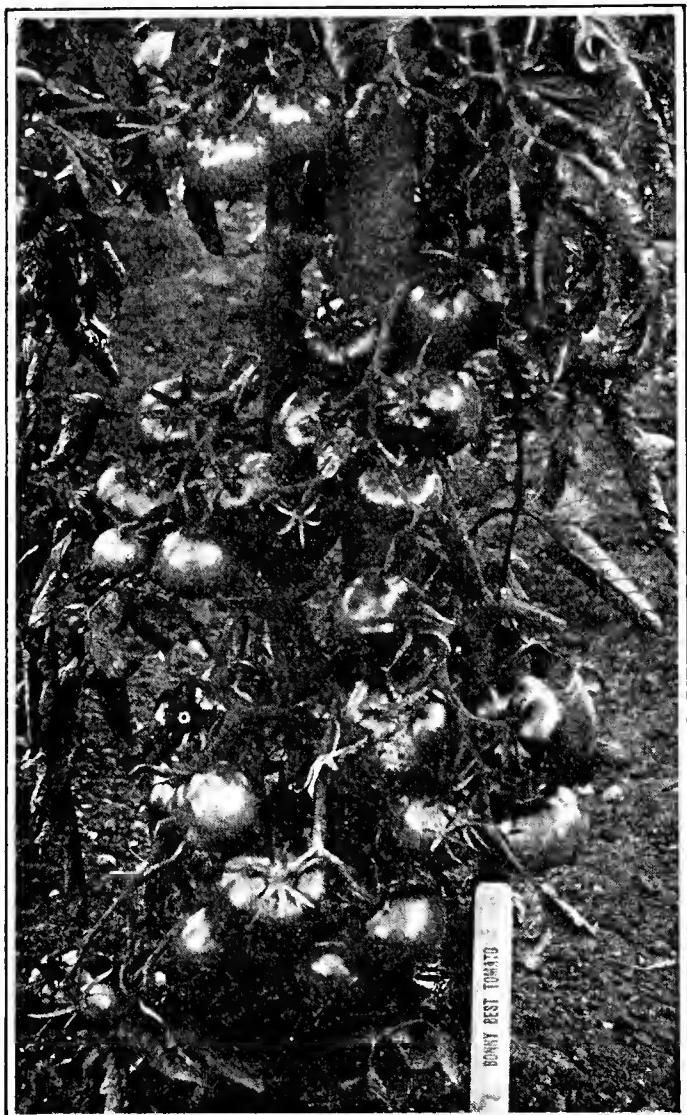
Golden Hubbard

Earlier and smaller than Hubbard; splendid for home and market garden and commonly used for canning. Fruits globular with fairly prominent neck and blossom end; about 11 inches long and 8 inches through; deep orange red with shallow warted; rind hard and tough; flesh thick, deep orange-yellow; fine grained and dry. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., 1 lb. \$1.25.

Tomato**Pritchard's Scarlet Topper**

A new variety of tomato. It is wilt resistant and is of intermediate height of vine. There are other wilt resistant varieties and others of intermediate height, but Scarlet Topper is the first to combine these two characteristics. It is a mid-season or main crop variety producing heavy crops of deep scarlet globe shaped fruit of good size and unusual solidity and with abundant foliage to protect the fruit from hot sun. Scarlet Topper will prove profitable in districts where wilt is prevalent. A good home and market variety and very popular for shipping. Pkt. 15 cts., $\frac{1}{2}$ oz. 30 cts., 1 oz. 45 cts., $\frac{1}{4}$ lb. \$1.40, $\frac{1}{2}$ lb. \$2.60.

**Marglobe**



Bonny Best

Tomato . Continued

Marglobe

75 to 78 days. The best general purpose tomato recently introduced; particularly valuable for shipping; definite disease resistance recommends this variety for use in sections infested with Fusarium Wilt and Nail-head Rust. Plants thrifty and heavily productive, of long bearing period. Fruits uniform deep scarlet; large; uniformly globe-shaped; smooth, solid and of distinct quality. Pkt. 10 cts., 1 oz. 50 cts., 1/4 lb. \$1.25, 1 lb. \$4.50.

Ponderosa

(Also known as Beefsteak)

85 days. One of the best for home use. Fruits deep purplish-pink; extremely large, commonly 9 to 12 ounces each; deep but flat; very fleshy with few seeds; of very mild flavor. Pkt. 10 cts., 1 oz. 60 cts., 1/4 lb. \$1.75, 1 lb. \$5.75.

Bonny Best

73 days. Unexcelled as a general purpose tomato; particularly valuable for forcing under glass and as a canning variety in Northern sections. Fruits handsome; evenly colored bright deep scarlet-red; medium large; flattened globe shape; smooth and firm. Yields well until frost. Pkt. 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.00, 1 lb. \$3.25.

Chalk's Early Jewel

75 days. Splendid home and market garden variety. Very thrifty, heavily productive. Fruits scarlet-

red; large flattened globe shaped; smooth and firm. Pkt. 10 cts.; 1 oz. 40 cts., 1/4 lb. \$1.00, 1 lb. \$3.50.

Dwarf Champion

78 days. Strictly dwarf and tree-like; requires no training to permit culture where space is limited. Fruits purplish-pink; flattened globe-shape, medium size. Pkt. 10 cts., 1 oz. 50 cts., 1/4 lb. \$1.30, 1 lb. \$4.25.

Dwarf Stone

81 days. Strictly dwarf and tree-like; requires no training to permit culture where space is limited. Fruits bright red, flattened globe-shape, a trifle over medium size. Pkt. 10 cts., 1 oz. 50 cts., 1/4 lb. \$1.35, 1 lb. \$4.50.

Earliana

64 to 66 days. Particularly valuable for home garden and early market. Our strain is definitely superior in earliness and quality. Fruits medium size; flattened globe-shaped; deep scarlet-red; firm and smooth. Pkt. 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.25, 1 lb. \$4.00.

Golden Queen

83 days. The best large yellow fruited tomato. Fruits large; deep but flattened; bright golden yellow; firm, smooth and attractive. Pkt. 10 cts., 1 oz. 50 cts., 1/4 lb. \$1.50, 1 lb. \$4.70.

John Baer

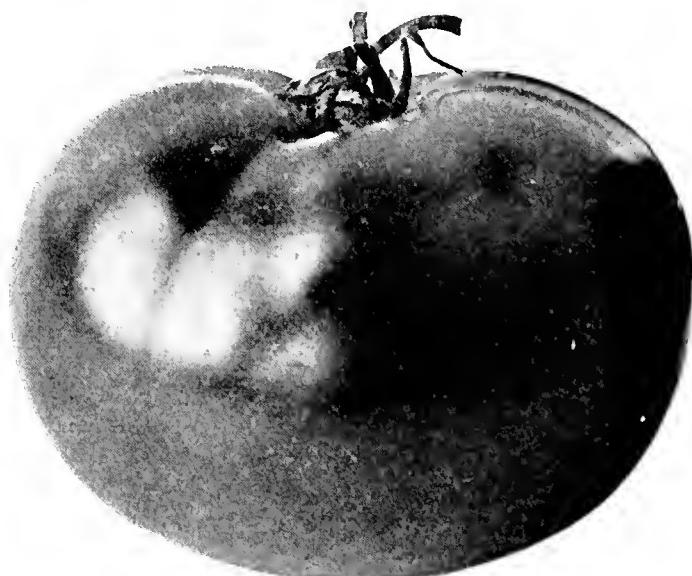
71 days. Particularly valuable for canning in Northern sections. Very similar in every respect to Bonny Best; but often a few days earlier. Fruits handsome bright deep scarlet-red; medium large; flattened globe shape; smooth and firm. Pkt. 10 cts., 1 oz. 40 cts., 1/4 lb. \$1.00, 1 lb. \$3.25.

Ox Heart

A late large fruited variety of distinct appearance and perfect quality. Heart-shaped, rosy pink, and very solid fleshed, with few seeds. Single fruits often weigh two pounds or more. Mildly acid and of pleasing flavor. Home gardeners have given this new variety an enthusiastic reception. 85 to 90 days. Pkt. 10 cts., 1 oz. 70 cts., 2 ozs. \$1.25, 1/4 lb. \$2.25.

Stone

85 days. Particularly valuable for the market gardener, trucker and canner. Heavily productive. Fruits uniform bright deep scarlet; large and flat, but deep; smooth and solid. Pkt. 10 cts., 1 oz. 35 cts., 1/4 lb. \$1.00, 1 lb. \$3.25.



John Baer

Turnip

We have indicated the number of days usually required to produce roots of good size for table use (or for storage, in the case of the large sorts primarily grown for stock feed).

White Fleshed Varieties Cow Horn or Long White

Table size, 65 days; full size, 75 to 80. Chiefly grown for stock feed but very good for table use. Tops fairly large, erect, cut-leaved. Roots 12 to 15 inches long, 3 inches thick at shoulder, tapered, slightly crooked; smooth; white with pale green shoulder; mild, sweet and tender. 1 oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., 1 lb. 50 cts.

Early Purple Top . Strap Leaved

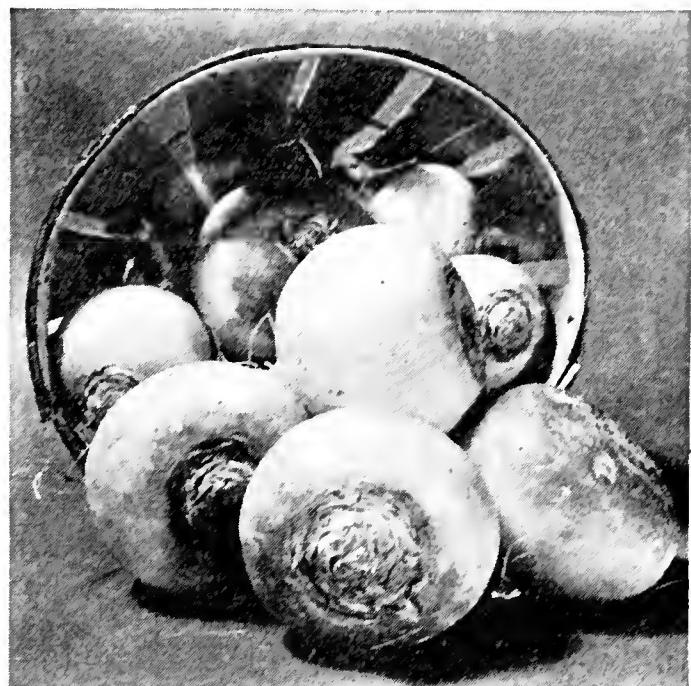
Table size, 45 days. Very important home and market garden sort. Tops small, erect compact. Roots flat, become 5 inches in diameter and half as thick; purplish-red above and white below; flesh clear white, fine grained, mild. 1 oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., 1 lb. 60 cts.

White Egg

Splendid for home and market garden. Tops erect, fairly compact; cut-leaved. Roots white, smooth, grow one-half above ground, egg-shaped, become 3 inches long and $2\frac{1}{4}$ inches through; flesh white, firm, fine grained, sweet and tender. Table size, 55 days. 1 oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 60 cts.

Purple Top White Globe

Table size, 55 days; full size 70 days. The standard home, market garden and shipping sort for table use and splendid for field culture. Tops medium large, compact, strap leaved. Roots globular, smooth; bright purplish-red above, white below; become 5 to 6 inches in diameter; flesh white, firm; fine grained and tender when young. 1 oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 65 cts.



Early Purple Top

Yellow Fleshed Varieties

Amber Globe

Large roots, 75 to 80 days. Of good quality but chiefly grown for stock. Tops green, leaves cut. Roots large, become 5 to 6 inches in diameter; globular, smooth, yellow tinged with green at the top; flesh pale yellowish-white, fine grained, sweet and tender. 1 oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 65 cts.

Rutabaga

Improved Purple Top Yellow

Very popular variety for market and for storage and carlot shipment. The roots are large, globular, deep purplish-red above ground, yellow below; flesh yellow, fine grained; firm, mild and sweet. 1 oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., 1 lb. 60 cts.

Sweet Perfection White

Widely grown for table use and for stock feed; a little earlier in season than those described above. Tops small; strap leaved. Roots large; globular; neckless; white below ground, tinged with green above. Flesh white, firm, fine grained, sweet and tender. 1 oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., 1 lb. 65 cts.

TOBACCO DUST

Save your Radishes and Turnips from worms. Strewn generously in the row before sowing. It acts as a repellent for many insects infesting the soil. Deserves much more general use. Dusted over Cucumbers, Melons and Squashes it helps greatly to rid these vines of the destructive bugs. Apply in the morning when the plants are covered with dew. 5 lbs 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.00, 100 lbs. \$3.25. Postage extra.

"An ounce of prevention is worth a pound of cure" applies to the use of insecticides. Get the bugs before they get your plants.

5 ct. Pkts. if desired



Purple Top White Globe

Aromatic . Medicinal Pot Herbs

Anise

(*Pimpinella anisum.*) Annual, 12 to 18 inches tall; chiefly grown for aromatic seeds used in flavoring. (Not the same as Florence Fennel which is sometimes called sweet Anise.) Pkt. 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Basil . Sweet

(*Ocimum basilicum.*) Annual 20 to 24 inches tall; entire plant has fragrant somewhat spicy aroma; used for seasoning; oil used in perfumes. Pkt. 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 70 cts.

Borage

(*Bonago officinalis.*) Coarse, hairy annual 2 feet tall; large thick leaves used as pot herb and for flavoring; blue flowers highly decorative and used for garnishing; good bee plant. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Caraway

(*Carum carui.*) Biennial; produces rosette of leaves similar to carrot first year, and branched flowering stems 24 inches tall the second year; grown chiefly for the aromatic seeds and the volatile oil. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 50 cts.

Dill . Mammoth

(*Anethum graveolens.*) Annual about 2 feet tall; of strong aromatic odor and mildly pungent flavor; chiefly grown for seed clusters used in making dill pickles. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Fennel . Sweet

(*Foeniculum officinale.*) Perennial usually treated as annual; 3 to 4 feet tall; of aromatic odor and sweet pungent flavor; seeds used for flavoring confections and medicines; differs chiefly from Florence Fennel in not having swollen leaf bases. Pkt. 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Lavender

(*Lavendula spica.*) Half hardy perennial 2 to $\frac{1}{2}$ feet tall of a delicate aromatic odor; flower stalks dried and used in perfume and to scent linens in the home. Pkt. 10 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Marjoram . Sweet

(*Origanum marjorana.*) Tender, bushy perennial 12 inches high of aromatic odor and pungent flavor; chiefly grown for tender young leaves used in seasoning. Pkt. 10 cts., 1 oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Rosemary

(*Rosmarinus officinalis.*) Hardy perennial, 2 feet tall of fragrant odor and warm bitter flavor; leaves used in seasoning and extracted oil used in perfumery. Pkt. 10 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Sage . Broad Leaf

(*Salvia officinalis.*) Hardy, spreading perennial; 12 to 15 inches tall; of strong, pleasant aromatic odor and mildly pungent flavor; the most commonly used of all the herbs for seasoning. Pkt. 10 cts., 1 oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., 1 lb. \$2.00.

Savory . Summer

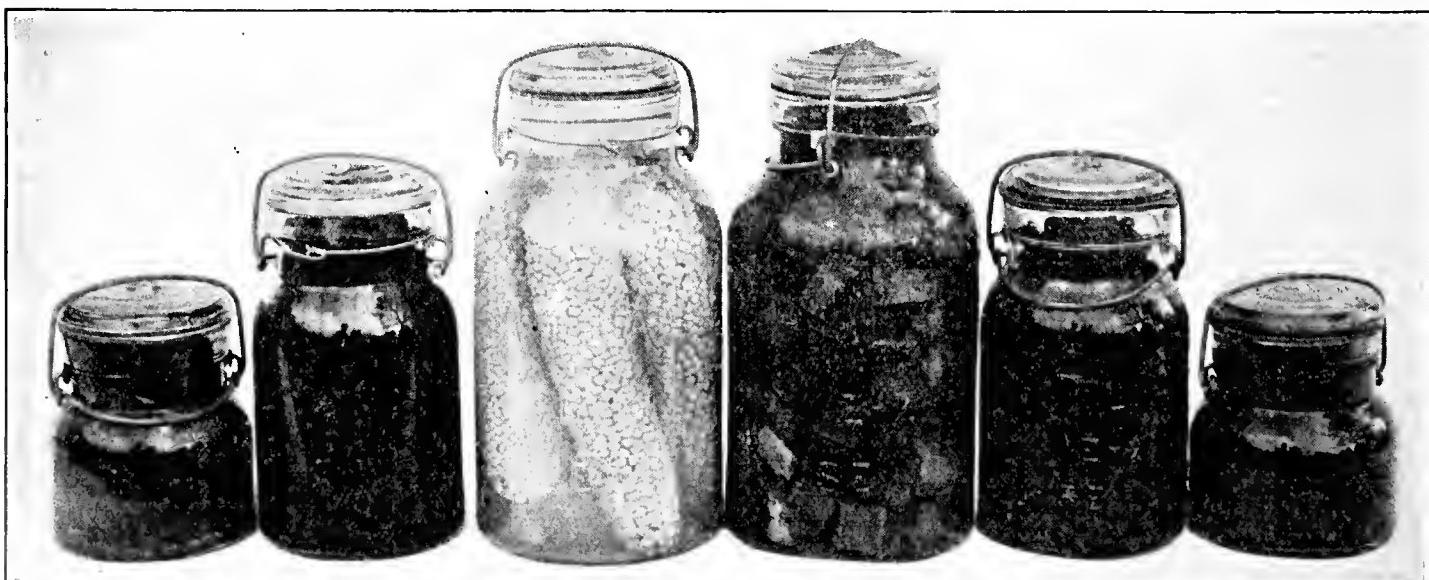
(*Satureia hortensis.*) Annual about 15 inches tall; entire plant aromatic; very popular for seasoning. Pkt. 10 cts., 1 oz. 15 cts., $\frac{1}{4}$ lb. 50 cts.

Thyme

(*Thymus vulgaris.*) Hardy perennial; about 10 inches tall; of strong, agreeable aromatic odor and pungent flavor; used in medicine and for seasoning culinary preparations. Pkt. 10 cts., 1 oz. 50 cts., $\frac{1}{4}$ lb. \$1.75, 1 lb. \$6.00.

Canning Vegetables

Plan on canning vegetables this year. Grow them in your own garden and be sure they are fresh and when you have properly canned them you will be provided with healthy, nutritious food all winter long. Then, too, consider the expense of purchasing canned goods. Spend a few pleasant hours working your garden and a few minutes in the kitchen and at a little cost your shelves are stocked for the winter. Every one knows the value of vegetables in the daily menu and how else can you provide for year-around table delight at such a little cost? Plan to can some vegetables this year.



Insect Destroyers, Etc.

Directions For Using Any of the Following Will Be Found On Each Package

PLEASE NOTE: Insecticides marked * cannot be sent by parcel post. Where others are wanted in this way, add for postage as follows: 10c for 1 lb., 15c for 2 lbs., 20c for 5 lbs., 30c for 10 lbs., up to and including the third zone; for other zones please add additional postage.

Ansul Colloidal Sulphur—A fungicide for the control of plant diseases, also effective against red spider, red mite and scale insects. Readily soluble, remaining in suspension indefinitely. 8 ounce tube, 90 cts., 3 lbs. \$2.00.

Ansul Formaldehyde Dust—A seed and soil treating material controlling seed borne disease as well as damping off of seedlings and cuttings. 1 lb. 75 cts., 5 lbs. \$2.00, 25 lbs. \$5.50, 50 lbs. \$9.00.

***Antrol**—The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating insects. It is composed of small glass containers and a special formula of syrup. Antrol sets containing 4 ready filled ant feeders 50 cts., extra ready filled feeders 15 cts., 4 oz. bottle syrup 35 cts., pints 85 cts.

Atlacid (Calcium Chlorate)—A non-poisonous Weed Killer. Can be dissolved in water and applied as a spray or can be dusted on the weed from the sifter can. Very effective on poison ivy. No. 1 size (kills 100 to 450 square feet of weeds) 50 cts. each, No. 3½ size (kills 350 to 1500 square feet of weeds) \$1.50 each.

Astogen—A new and effective remedy for root aphids. It is a non-poisonous powder worked around the roots, destroying root insects and stimulating root growth. Very effective for worms. 2 lbs. 75 cts., 5 lbs. \$1.50, 10 lbs. \$2.75.

Aphistrogen—Makes a complete spray for aphids (plant lice) and most sucking insects; prepared specially for roses and other plants. 2 ozs. 50 cts., ½ lb. \$1.25, 1 lb. \$2.25.

***Arsenate of Lead (powdered)**—1 lb. to 1½ lbs. dilutes to 50 gallons of water or may be used dry like Paris Green. 1 lb. bags 20 cts., 4 lb. bags 60 cts.

***Arsenate of Calcium**—Used in control of potato bugs, Mexican bean beetle, tomato and cabbage worms and many other chewing insects, which attack vegetables. Mixed easily with water and can be used as either spray or dust. 1 lb. 20 cts., 4 lb. bags 50 cts.

*“**Black Leaf 40**”—Per 1 oz. bottle 35 cts., 5 oz. bottle \$1.00, 1 lb. \$2.25, 2 lbs. \$3.25, 5 lbs. \$5.85, 10 lbs. \$9.85.

***Bordeaux Mixture (powder)**—12¾% copper mixture, for spraying purposes. 1 lb. 25 cts., 4 lb. bags 60 cts.

Bug Death (improved)—Largely used instead of Paris Green; it is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form and is applied pure. Not poisonous to persons. 1 lb. 25 cts., 5 lbs. 75 cts., 12½ lbs. \$1.75.

Black Arrow Insect Dust—Non-poisonous and will not burn. Black Arrow not only kills insects that come in contact with it but also acts somewhat as a repellent. When dusted on plants and on the soil it readily effects most insects. 1 lb. 41 cts., 100 lbs. 24 cts. per lb.

Ceresan (New Improved)—A new low cost grain disinfectant. Costs only 1⅓ to 2⅓ cents per bushel. Unusually effective in controlling bunt or stinking smut of wheat, covered smut and stripe of barley, and oat smuts. Frequently improves the stand and yield of grain 1 to 5 bushels per acre. Easily and quickly applied by 20 revolutions of seed treater or 3 turnings with a shovel. Seed should be treated 24 hours before planting. Does not reduce drilling rate nor damage drill. One pound treats 32 bushels of wheat, oats, or barley. 1 lb. tin 75 cts., 5 lb. tin \$3.00.

***Cyanogas (Calcium Cyanide) (G. Fumigant)**—A valuable insecticide for greenhouse fumigation, for destroying aphis, white fly, soft scale, thrips, etc. It is scattered along the walks and the house closed for the night. 5 lbs. \$3.00, 25 lbs. \$10.00.

***Cyanogas (Calcium Cyanide) (A Dust)**—For killing rats, moles, woodchucks and other rodents. Per ½ lb. 45 cts., 1 lb. 75 cts., 5 lbs. \$3.00.

Evergreen Insecticide—A non-poisonous insecticide, recommended for killing a wide variety of insects on plants and flowers. Per 1 oz. 35 cts., 6 ozs \$1.00, 16 ozs. \$2.00, 1 quart \$3.50, 1 gal. \$9.50.

Fume Tobac (for burning)—A high nicotine content tobacco dust, for greenhouse fumigation. 25 lbs. \$4.45, 50 lbs. \$7.75, 100 lbs. \$14.50 or 25 lbs. \$4.25, 50 lbs. 7.50, 100 lbs. \$14.00 f.o.b. Yorklyn, Del.

Fish Oil Soap—An excellent summer spray, when something stronger cannot be used, where San Jose Scale exists. It is nice for washing off lemon trees, oleanders and almost anything that may be infested with soft shelled or, in fact, most any kinds of insects. Dissolved in water according to various purposes. 1 lb. 35 cts., 25 lb. kegs \$5.00.

***Fungtrogen**—A highly concentrated form of fungicide that will conquer mildew and control black spot on roses. It also supplies essential fertilizer. Dilutes 1 part to 60 parts of water. 75 cts. per ½ pint, 1 pint \$1.25.

Grape Dust—A powder preparation used for mildew, aphis, black fly and other insects and fungous diseases, principally in greenhouses. 1 lb. 35 cts., 5 lbs. \$1.00.

Grafting Wax—For all pruning and grafting purposes. Used when trimming trees and shrubbery. Gives needed protection. ¼ lb. package 15 cts., ½ lb. package 25 cts., 1 lb. package 45 cts.

***Hellebore**—The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. 1 lb. 40 cts.

***Insectogen**—A complete spray for leaf chewing insects, including caterpillars, rose slug worms and Japanese beetles. 4 oz. 60 cts., ½ pint \$1.00, 1 quart \$1.75.

***Lime Sulphur**—For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring; also for leaf curl of peaches. 1 gal. 85 cts. Ask for prices on bulk.

INSECT DESTROYERS, Etc. . Continued

Lime Sulphur (dry powder form)—Dilute 1 lb. to 6 gals. of hot or cold water. 1 lb. 35 cts., 12½ lb. bags \$1.50.

Mexogen—Kills and repels Mexican Bean Beetles, including the adult, larvae and eggs; non-poisonous to humans, animals and birds, when directions are followed. Per ½ pint 75 cts., quart \$2.00, gallon \$6.00.

Naphthalene Flakes—Useful in controlling Gladiolus thrip, Cyclamen thrip, etc. 1 lb. 15 cts., 2 lbs. 25 cts., 25 lbs. \$2.50, barrel price on application.

***Nico Fume (liquid)**—For use as a spray or vapor, for controlling green fly, aphis, etc., in greenhouses and outdoors. 1 lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10.00.

***Nico Fume Paper**—For fumigating greenhouses; gives off dense fumes charged with nicotine. Per box of 24 sheets \$1.25, 144 sheets \$4.50, 288 sheets \$8.00.

***Nico Fume Fumigating Powder**—A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. 1 lb. \$1.00, 5 lbs. \$3.35, 10 lbs. \$5.85.

***Para Dichlorobenzine**—For peach tree borers. Full directions on each package. Do not use on very young trees. When planted around base of a peach tree it generates a gas that kills the borer in that tree. 1 lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$5.75, 50 lbs. \$11.00.

***Paris Green**—A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. It may be used in liquid form 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound of Paris Green to 100 pounds Land Plaster. ¼ lb. 15 cts., ½ lb. 25 cts., 1 lb. 40 cts.

***Pyrox (Bowkers)**—A combined insecticide and fungicide for all leaf eating insects, blights and funguous troubles; it is a pasty substance and needs only to be mixed with cold water. 1 lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$6.00, 100 lbs. \$12.50.

***Pyrox (Nicotine)**—Kills both chewing and sucking insects; controls blight and other diseases. Just mix with water and spray. 10 ozs. 50 cts., 40 ozs. \$1.25, 5 lbs. \$1.75, 10 lbs. \$3.00.

Red Arrow Insect Spray (Pyrethrum Soap)—A non-poisonous, efficient insecticide for beetles, Japanese beetles, rose chafers, aphis (plant lice), leaf hoppers, etc. 1 oz. 35 cts., ¼ pint \$1.00, ½ pint \$1.75, 1 pint \$3.25, 1 quart \$6.00, 1 gal. \$17.50.

Red "A" Soap—A neutral liquid potash cocoanut oil soap. An activator and spreader. When used with insecticides decreases cost of finished spray. ½ pint 35 cts., 1 pint 60 cts., 1 quart \$1.00, 1 gal. \$1.50.

Rotecide—A standard rotenone spray, sure death to all kinds of chewing and sucking insects, kills both by contact and thru the stomach, absolutely harmless to man, animal or bird life. Will not spot, discolor or burn the most tender plant or flower. Rotecide spray is complete. No spreader required. Just add water. 1 oz. bottle 35 cts., 8 oz. can \$1.00, 1 pint can \$1.75, 1 quart can \$3.00, 1 gallon can \$8.00.

***Scalecide**—Used for the destruction of the San Jose scale. Scalecide does not clog nozzles, hose or pump and is pleasant to use. Spray during the winter or early spring when the trees are dormant. 1

quart 60 cts., 1 gal. \$1.40, 5 gals. \$4.90, 15 gals. \$10.00, 30 gals. \$16.50, 50 gals. \$23.50.

***Selocide**—A poisonous contact spray for red spider only. 1 quart \$1.00, 1 gallon \$2.75.

***Semesan (DuBay)**—A mercuric disinfectant for the control of many seed, plant and soil diseases. One ounce treats 15 pounds of seed. Per 2 ozs. 50 cts., 1 lb. \$2.50, 5 lbs. \$11.75.

***Semesan Bel (DuBay)**—For treating seed potatoes before planting controlling seed-borne diseases. 1 lb. treats 60 to 80 bushels of seed. Per 4 ozs. 50 cts., 1 lb. \$1.75, 5 lbs. \$8.00.

***Semesan Jr. (DuBay)**—For controlling seed-borne diseases of seed field and sweet corn; protects the seed from rotting in the ground. Per 4 ozs. 50 cts., 1 lb. \$1.50, 5 lbs. \$7.00.

Slug Shot—The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft shelled insects that infest the vegetable or flower garden. 1 lb. carton 25 cts., 5 lbs. 75 cts., 25 lbs. \$3.50, 125 lb. keg with duster \$16.50.

***Snarol**—For the control of cutworms, snails, slug, etc. Non-injurious to vegetation and very economical to use on account of its insolubility in water. 1 lb. 35 cts., 3 lbs. 85 cts.

Sofyne Soap (liquid)—An excellent spreader that increases the killing power of "Black Leaf 40," Red Arrow and Evergreen. Will not clog spray nozzle. 1 quart 50 cts., 1 gallon \$1.50.

Sulfocide—An effective summer spray for the control of scale and black-rot on fruit trees, also for mildew and black-rot on roses, etc. Per pint 50 cts., 1 quart 85 cts., 1 gallon \$2.25.

***Scale Destroyer (Miscible Oil)**—The oldest and most effective dormant oil spray for the control of San Jose, Oyster Shell and other scales. Also highly effective for Leaf Roller. 1 gallon can \$1.75.

Tree Wound Paint—Prevents decay after pruning. Stops tree bleeding. This residual, penetrating, antiseptic paint is not effected by cold, heat or moisture. Does not peel, crack or get brittle. 1 quart \$1.20.

***Thrip Juice (Hammond's)**—This preparation is very effective against aphis, red spider, mealy bugs and sucking insects generally. 1 pint 65 cts., 1 quart \$1.25, 1 gallon \$4.80.

Tobacco Dust (for dusting)—Excellent for lettuce and other plants to destroy soft, creeping insects. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.00, 100 lbs. \$3.25.

Tri-Ogen—Insect spray and Fungicide Rose Garden spray treatment, especially recommended for flowers. Convenient, easy and pleasant to use. Triple acting. Small kit (makes 16 qts.) \$1.50. Medium kit (makes 64 qts.) \$4.00.

***Volck (Garden)**—A spray for the garden, effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphis, thrip, etc. Not only kills the insects, but also acts as a repellent. 3½ ozs. 35 cts., 1 pint 90 cts. Also Nursery and Greenhouse Volck.

Weed Killer—Destroys weeds in paths, roads, gutters, drives, etc. Kill roots and tops of all weed and grass growth easier and less expensive than hoeing and digging by hand. Very effective in walks and cobble gutters without injury to road-bed. Does not discolor cement. Usually prevents growth for season. 1 quart can 50 cts., 1 gallon can \$1.50, 5 gallon can \$6.25.

PROTECT YOUR GARDEN WITH

RED ARROW
 NON-POISONOUS
INSECT SPRAY
 (PYRETHRUM SOAP)



For Flower and Vegetable

Harmless to Humans, Plants and Animals.

Deadly to both Chewing and Sucking Insects.

Scientifically Blended Pyrethrum-Rotenone Soap So That You Simply Mix with Water and Spray. No Complicated Instructions. One Ounce of RED ARROW Makes 8 Gallons of Spray against Aphids and Many Hard-Shelled Insects as Well.

PRICES

1 oz. makes 8 gallons.....	\$.35	1 pint makes 140 gallons.....	\$ 3.25
3½ ozs. makes 30 gallons.....	1.00	1 quart makes 280 gallons.....	6.00
½ pint makes 70 gallons	1.75	1 gallon makes 1120 gallons.....	17.50

BLACK ARROW INSECT DUST

Non-Poisonous

For those who prefer or require a non-poisonous dust, we recommend this product—composed of pure pyrethrum and other insecticidal factors—very effective.

PRICE

1 lb. containers 50c lb.

RED 'A' SOAP

A neutral liquid potash cocoanut oil soap, an activator and spreader. When used with insecticides, Red 'A' Soap decreases cost of finished spray.

PRICES

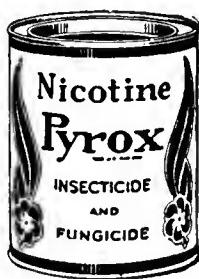
½ pint	35c
1 pint	60c

Nicotine Pyrox is a complete garden spray especially prepared for the home gardener

Nicotine Pyrox protects plants against insect pests, blight and other fungus diseases. Because it contains all the necessary ingredients properly and scientifically blended, Nicotine Pyrox is a complete garden spray. It contains nicotine to combat sucking insects, arsenic poison to control leaf-eating insects, as well as a copper ingredient which provides protection against fungus diseases. No other spray is needed when Nicotine Pyrox is used.

Nicotine Pyrox is fool proof. It comes in a mixed paste form, ready to use. Just dilute with water and spray. It sticks to the foliage and does not easily wash off, providing a lasting protection. Nicotine Pyrox is the only paste form spray on the market. It is clean to use. You breathe no messy, harmful, chemical dust when you use Pyrox.

The paste form of spray material is recognized by authorities as the most



efficient form of spray material because it permits the finest mist-like spray which settles like fog over the plant, completely covering the surface of the foliage. Such a fine mist-like spray as Pyrox provides is possible only because Pyrox is a chemical precipitate which makes the minute Pyrox particles many times finer than any dry, powdered material can be ground.

Nicotine Pyrox is easy to use—just add water and spray.

Nicotine Pyrox is easy to use—just add water and spray

PRICES

PYROX	1 Ib. \$.50	100 lb. drums 12.50 each	4 lb. bag ..... .75
	5 lbs. 1.75	300 lb. barrel 30.00 each	NICOTINE PYROX
	10 lbs. 3.25	½ lb. carton \$.20	10 oz. jar \$.50 each
	25 lb. drums 6.25 each	1 lb. carton ..... .30	40 oz. drum 1.25 each
	50 lb. drums 7.25 each	1 lb. bag ..... .25	5 lb. drum 1.75 each
			10 lb. drum 3.00 each

PLEASE WRITE FOR QUANTITY PRICES

INSECT AND DISEASE PESTS

Plant diseases are many kinds. Some, such as mildew, leafspot and rust attack leaves. Others, as fire blight, damage branches and stems of plants. Some, such as root rot, waylay the plant at the roots. Some diseases such as mosaic seem to disturb plant life processes in some way, no one is sure as to just how. These diseases are spread by various agencies as soil, wind, insects, contact, seed, tools, shoes of the gardener and also birds.

Some of the better known ways of controlling various diseases, depending upon their characteristics, are by spraying, dusting, seed treatment, soil disinfection, rotation, planting on new and clean ground, breeding resistant strains and destroying infected portions or crop residues.

INSECT PESTS

Insects are of two general kinds, chewing and sucking. The first, such as leaf eating beetles, grasshoppers and caterpillars, eat tissues or leaves and are controlled by a stomach poison applied to the plants. The most satisfactory poisons are lead arsenate, calcium arsenate or Paris Green.

Sucking insects pierce the leaves or other covering and suck the plant juices from within, so they must be killed by some contact poison which kills by its burning action, poisoning thru the breathing apparatus, or, by suffocation. Among these insects are thrips, aphids, scales and mealy bug. The chief contact sprays are nicotine sulphate, nicotine dust, pyrethrum powder, dusting sulphur, lime sulphur, oil emulsions, miscible oils or fish oil combinations. Non-poisonous sprays which kill both chewing and sucking insects are Evergreen, Red Arrow, Derrisol and Rotecide.

For control of insects and plant diseases. Much the simplest procedure in the average sized garden, (ornamental or vegetable) is to go to your local dealer who specializes in garden supplies, buy the chemicals needed in prepared form under trade names and use according to the manufacturer's directions. Be sure of course to read labels and directions on package before buying. Buy nationally advertised goods of known effectiveness when possible. Also arm yourself with printed literature.

Your lawn and garden will respond quickly to regular feeding with Vigoro, the complete plant food. This clean, odorless product will bring professional success to your gardening efforts. It is economical to use because Vigoro is balanced—it is complete. It contains no waste material. Four pounds of Vigoro properly feeds 100 square feet of area planted to lawns, flowers, vegetables, or shrubs. Trees require one pound of Vigoro for each inch of circumference measured four feet from the ground.

The low cost of Vigoro makes it possible for everyone to enjoy its benefits. Order enough to feed everything you grow sent along with your seed. Plants grown from our tested seed will do their best if Vigoro is used to supply their plant-food needs.

Vigoro Spreaders

Vigoro Spreaders apply Vigoro and grass seed quickly and evenly, assuring smooth, velvety-green lawns. Write for descriptive matter.



Vigoro Prices

100-lb. bag. ... \$4.00	10-lb. pkg. ... \$.85
50-lb. bag. ... 2.50	5-lb. pkg. ... .50
25-lb. bag. ... 1.50	12-oz. pkg. ... .10
F.O.B. WILLIAMSPORT, PA.	

VIGORO

Complete plant food

"Use Vigoro on Everything You Grow"



SPRAYERS and DUSTERS



Acme Compressed Air Sprayers

No. 500-G Galv., 4 Gal. Cap....	\$4.00
No. 500-B Brass, 4 Gal. Cap....	5.90
No. 545-G Galv., 4 Gal. Cap....	5.90
No. 505-G Galv., 3 3/4 Gal. Cap..	3.70
No. 505-B Brass, 3 3/4 Gal. Cap..	5.60



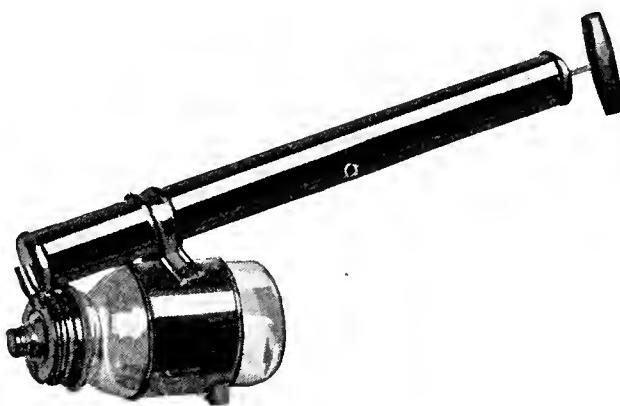
Continuous Sprayers

No. 322 Galv., 1 Qt. Cap...\$.65 ea.
No. 358 Galv., 1 Pt. Cap... .35 ea.
No. 33-G Galv., 3 Qt. Cap.. 1.25 ea.



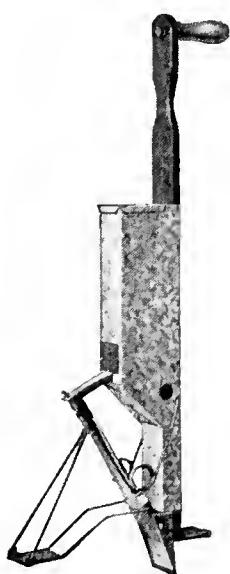
Acme Sprayers

No. 326 1 Qt. Cap. \$.35 ea.
No. 334 1 Qt. Cap. .... .35 ea.
No. 353 5 1/2 oz. Cap. .... .15 ea.
No. 331 10 oz. Cap. .... .20 ea.



Mason Jar Sprayers

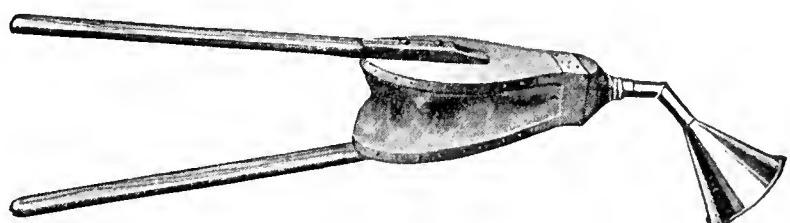
No. 336, 1 Qt. Cap. \$.59 ea.
No. 338, 1 Qt. Cap. .... .59 ea.



No. 311—Acme Segment Corn Planter.
\$1.60

No. 307—P. S. A. Corn Planter.
\$1.35

No. 309—Rotary Aut. Corn Planter.
\$2.10



Acme Dusters

No. 313, 1 1/2 Qt. Cap. \$1.70 ea.
No. 390, 1 lb. Cap. .... .70 ea.
No. 355, 3 oz. Cap. .... .40 ea.



REG. U.S.
PAT. OFF.
CYANOGENS
UNIVERSAL
PEST DESTROYER



ANTS: Simply enlarge entrances of nest with long-shank screwdriver or pointed stick. Adjust spout of can and allow a small amount of Cyanogas to flow into the enlarged hole. The worker ants and Queen are killed immediately with Cyanogas. Special 4-Oz. Ant Container 30c.

MOLES: Open up runways every 10 to 20 feet, and blow Cyanogas A-Dust in both directions with a duster. 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$30.00.

WOODCHUCKS: Are very susceptible to the gas liberated by Cyanogas A-Dust, and only one whiff is required to kill them. Place one tablespoonful of Cyanogas as far down the burrow as possible. Use long-handle spoon. Upset Cyanogas in a small pile. Close entrances tightly with up-turned sod. 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$30.00.

RATS: Cyanogas is not a bait! It is different! Simply pump it into rat burrows or hideouts, it seeks the rats and kills them instantly. 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$30.00

GREENHOUSE PESTS: Cyanogas G-Fumigant, when exposed to air gives off a gas destructive to all plant insects. It is the most generally used insecticide in greenhouses. It is the most economical of all greenhouse insecticides, and is completely effective and very easy to use. 5 lbs. \$3.00, 25 lbs. \$10.00, 100 lbs. \$30.00.

OTHER PESTS: Such as fleas, bees, bats, squash bugs, cucumber beetles, termites, etc., are easily controlled with Cyanogas. Leaflets containing instructions on the control of practically all pests are available.

NEW EVER GREEN SPRAY

PROTECT your GARDEN

New simple way to kill plant insects.

Just mix NEW EVER GREEN with water and spray. Deadly pyrethrin content kills a wide range of insects, such as aphids, leafrollers and hoppers, rose and aster beetles, and many other insects that eat leaves, destroy blossoms or suck sap.

Non-poisonous to men, plants or animals. One ounce makes as much as six gallons of spray.

1 oz. bottle 35 cts., 16 oz. can \$2.00

6 oz. can \$1.00, 1 gallon can \$9.50



Rotecide. The Standard Rotenone Spray is the most modern and fool-proof method of insect control. Rotecide is a complete spray, simply add water. It kills every type of insect, worm or beetle. Very good for Mexican bean beetle. Harmless to delicate plants and non-poisonous to humans, animals, and bird life. Positively will not burn or discolor the most tender foliage.

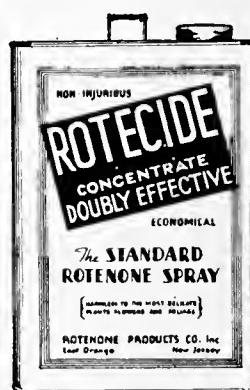
1 oz. bottle ... \$.35

8 oz. bottle ... 1.00

Pint can 1.75

Quart can 3.00

Gallon can 8.00



High Grade Fertilizers

PLEASE NOTE—No smaller quantity of Fertilizer than here offered can be supplied.

If small quantities of Fertilizers listed are wanted by parcel post, please add for postage as follows:
 15 cts. for 3 lbs., 20 cts., for 5 lbs., 30 cts. for 10 lbs.
 Prices on Fertilizers subject to market changes.

Adco—The addition of Adco to the compost pile, or to other vegetable refuse, grass clippings, leaves, etc., at the rate of two pounds to each wheelbarrow load of refuse, will produce a clean, odorless manure, within three or four months. 25 lbs. \$2.00.

Blood Dried—A very quick acting fertilizer, being immediately soluble. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75.

Bone Meal—Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and green houses, or any purpose where a high class fertilizer counts. Apply 800 to 1000 lbs. per acre. 3 lbs. 25 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. 90 cts., 50 lbs. \$1.50, 100 lbs. \$2.75.

Cotton Seed Meal—Apply 800 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable.

Diconure—A combined fertilizer and soil conditioner, contains all the strength of fresh manure, yet absolutely free of weed seeds and other impurities. Use in general gardens and for lawns. 3½ bushel bag \$2.50.

Lime, Agricultural Hydrated—Sweetens sour soils; binds loose soils; breaks up clay. Use ½ lb. to square yard. 10 lbs. 25 cts., 50 lbs. 60 cts.

Muriate of Potash—Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, and other grains. 5 lbs. 40 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

Nitrate of Soda—Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers, to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gallon of water and do not apply oftener than twice a week. 3 lbs. 25 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.25, 50 lbs. \$1.75, 100 lbs. \$3.00.

Peat Moss (granulated)—Acts as a perfect mulch. Marvelous results obtained with your garden and lawn by working it into the soil. Makes fertilizer more satisfactory. Prevents ground becoming hard baked or crusted See page ad. Prices: bale of about 20 bu. \$3.50, ½ bale \$2.00, ¼ bale \$1.50.

Phosphate—For all vegetable crops, grains, grass, etc. Apply 800 to 1,000 lbs. per acre broadcast. 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.25.

Phosphate for Corn and Oats—Apply 800 lbs. per acre. 100 lbs. \$2.00. Ask for ton prices.

Potato Fertilizer—Apply at the rate of from 800 to 1,000 lbs. per acre. 25 lbs. 75 cts., 50 lbs. \$1.25, 100 lbs. \$2.25.

Salt—For asparagus beds and putting on walks and roads to kill weeds. Apply 800 lbs. per acre in early spring. 100 lbs. 90 cts.

Sheep Manure (Wizard Brand)—Apply 1,000 lbs. per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use. It is clean and easily handled, besides giving immediate results. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. 90 cts., 50 lbs. \$1.60, 100 lbs. \$2.75.

Wizard Cattle Manure—Shredded and dried and therefore considerably more concentrated than as it comes from the stable. 25 lbs. 90 cts., 50 lbs. \$1.60, 100 lbs. \$2.75.

Stim-U-Plant—An odorless plant food in tablet form, for all plants in the house or garden; they dissolve in water almost instantly and make a wonderful liquid fertilizer. Per pkg. of 30 tablets 25 cts., 100, 75 cts., 1000, \$3.00.

Sorbex (The new Moss Peat)—25 times finer than any Peat Moss. Use it as a top dressing for lawns. Penetrates down to the roots, supplying them with life giving humus for years. Quickly rehabilitates. Apply about one half inch thick. 10 bu. bags \$2.50.

Sulphate of Ammonia—Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired. Will stimulate growth almost immediately. 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.50.

Sacco—A specially prepared plant food. Very highly recommended by florists, estates, market gardeners, etc., for lawns, flowers, vegetables, house plants, shrubbery, trees, etc. Rich in life giving nitrogen, phosphates and potash. Contains tobacco stems and manganese sulphate. 1 lb. 15 cts., 5 lbs. 40 cts., 10 lbs. 70 cts., 25 lbs. \$1.40, 50 lbs. \$2.35, 100 lbs. \$3.95.

Vigoro—A specially prepared plant food. 5 lbs. 50 cts., 10 lbs. 85 cts., 25 lbs. \$1.50, 50 lbs. \$2.50, 100 lbs. \$4.00.

Wedo—A scientific fertilizer that both feeds lawns and fights weeds. Sift Wedo on your lawn. Only a small amount is needed—one pound for every 100 square feet. No better fertilizer for lawns, fairways and greens. 25 lbs. \$1.65, 50 lbs. \$2.75, 100 lbs. \$4.75.

PLEASE WRITE FOR MARKET PRICE ON LARGER QUANTITIES
 DEALERS, FLORISTS AND LARGE USERS PLEASE ASK FOR QUANTITY PRICES

Pratts,

America's Quality Feed Line

Vitamin-Complete

"Extra Profit in Every Bag"

Pratts Buttermilk Baby Chick Food



Give your chicks a flying start in life. Probably more Poultrymen have used Pratts Buttermilk Baby Chick Food than any other one commercial feed,—and there's a reason. It grows more chicks,—better chicks—and for a lot less money. Pratts is the original baby food for chicks. Why be satisfied with an imitation when the original costs no more.

Pratts Buttermilk Laying Mash

America's greatest egg maker,—that's Pratts Buttermilk Laying Mash. Pullets fed on Pratts continue to develop while laying. Hens maintain weight and health under the heaviest laying strain. Eggs of uniform high quality are produced and birds are still in the pink of condition after the heaviest laying season. That's why Pratt-fed flocks can always produce more hatchable eggs in the breeding season.



Pratts All-Mash Chick Starter

A complete food that leaves nothing to chance. Every nourishing ingredient, vitamin and mineral needed by even the most delicate chick is right in the bag. No scratch grains need be fed. Just keep the hoppers full at all times and even timid, backward chicks will thrive and grow on Pratts All-Mash Chick Starter.

Pratts Buttermilk Growing Mash



Keep your young birds growing every minute, developing rugged health and sturdier egg organs. Feed Pratts Buttermilk Growing Mash and fit your pullets for heavy laying that will mean dollars for you during the high priced egg months. Pratts Buttermilk Growing Mash will do all this and bring your pullets into lay weeks earlier.

Cak-Cak Laying Mash

A mighty good laying mash selling at a very low price. It is made by Pratts—that guarantees its quality and ability to produce more eggs.

Pratts Scratch Feeds

Made of wholesome, selected grains, full of energy that keep growing birds and layers thriving. There is a special Pratt Scratch Feed for all the various stages of poultry development. Ask for prices.

Pratts Rabbit Pellets

The most popular rabbit feeds on the market. Feed them for health, flesh, fur and profit. The experience of thousands of breeders proves that here is the outstanding feed for rabbits. Pratts Pellets come in two formulas, one with enough hay for the rabbits daily needs, the other to be fed with hay. Ask for Pratts Complete Rabbit Pellets, if you do not want to feed hay. Ask for Pratts regular Rabbit Pellets, if you prefer to feed hay and pellets.

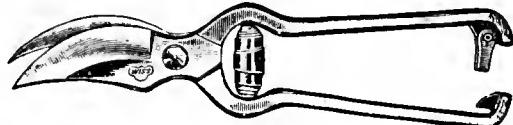


We carry a complete line of Feeds—Prices on Request

GARDEN TOOLS

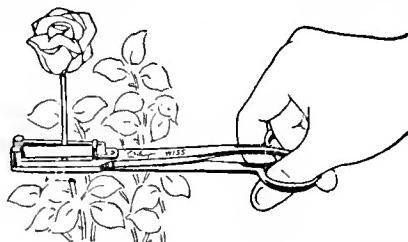
No. 607 ROSE PRUNING SHEARS

Solid crucible steel, volute spring, full nickel finish. Length 7".



Price \$1.75

No. F. H. 2 FLOWER HOLDER SHEARS

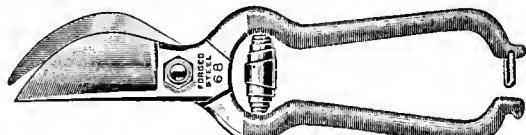


F. H. 2-G Green Handle. Price \$1.00

F. H. 2 Heavy Nickel. Price 2.00

Polished face. Length 7 1/2".

No. 68 SOLID STEEL PRUNING SHEARS

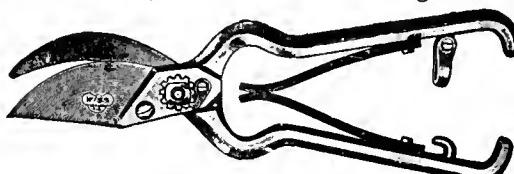


Length 8"

Price 75 cts.

No. 309-B PRUNING SHEARS

Extra thin blade, castellated nut and catch, brass leaf spring, full polished finish. Length 9".



Price \$2.50



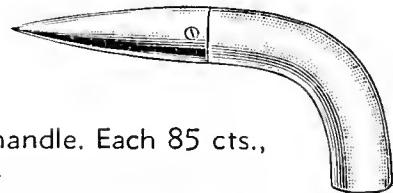
No. 115 CLAW WEEDER

Has five fingers; ground and polished points. One piece pressed steel.

No. 115 Claw Weeder, each 20 cts.

DIBBLES

For Transplanting Plants



Brass point, wood handle. Each 85 cts., by Parcel Post 95 cts.

Iron point, wood handle. Each 65 cts., by Parcel Post 75 cts.

Planet Jr. Garden Tools

No. 25

Combined Hill . Drill Seeder

Double Wheel Hoe

Price \$21.00



No. 12

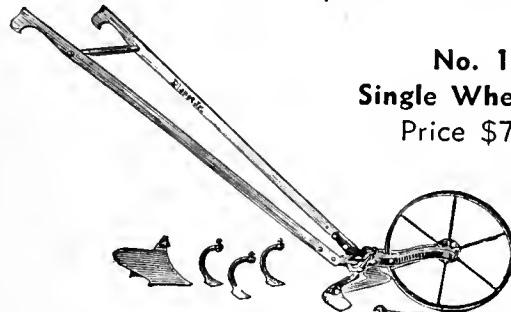
Double and Single Wheel Hoe

Price \$10.25



Equipment includes attachments needed in the average garden. One pair 6" hoes for shallow cultivation and weeding, four cultivator teeth for deeper and general cultivation and a pair of plows for plowing, furrowing and ridging and a pair of leaf lifters which are useful in protecting the leaves and vines when crops are maturing. As a Double Wheel Hoe it will straddle crops 20" high, cultivating both sides at once. Easily changed to a single wheel hoe for working between rows.

"The Complete Gardener." Plants practically all vegetable seeds at the proper depth in straight and narrow continuous rows or in hills 4, 6, 8, 12 or 24 inches apart. Easily changed into a Double or Single Wheel Hoe. Attachments are those most needed—hoes for weeding and shallow cultivation—cultivator teeth for general and deeper cultivation and plows for furrowing, covering, weeding.



No. 17

Single Wheel Hoe

Price \$7.35

Very popular because equipment includes just the attachments needed in the average garden. A pair of 6" hoes for weeding and shallow cultivation, three cultivator teeth for deeper and general cultivation and a plow with landside for hillng, furrowing, ridging and plowing. Light and easy to handle. All steel—unbreakable.



No. 119

Garden Plow

Price \$4.25

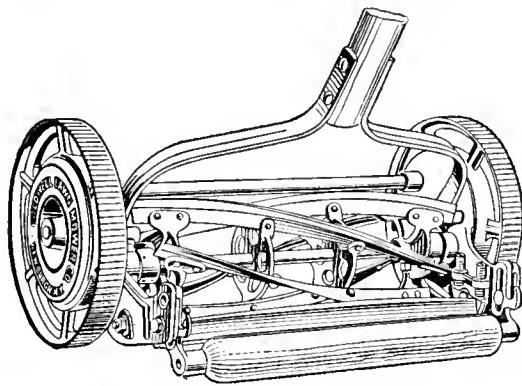
A sturdy and inexpensive garden plow and cultivator. For those liking the high-wheel this tool is the favorite. Equipment includes a large plow, a scuffle blade and three cultivator teeth. Due to the high center of gravity this tool pushes very easily.



LAWN MOWERS

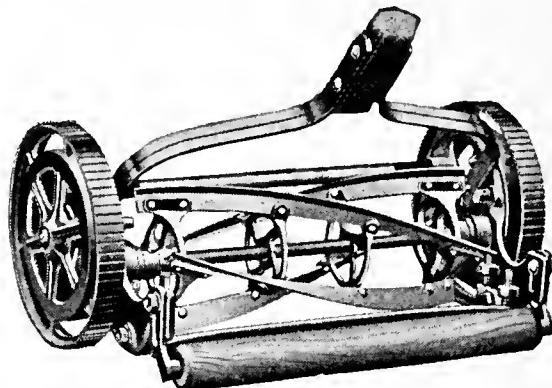
The mowers are carefully machined, light, strong and durable; insuring years of dependable service. Adjustable ball bearings. Bottom knife built from the finest laid steel, with self-sharpening, lipped edge. Hardwood, varnished handles and beautifully finished.

AMBASSADOR (Ball Bearing)



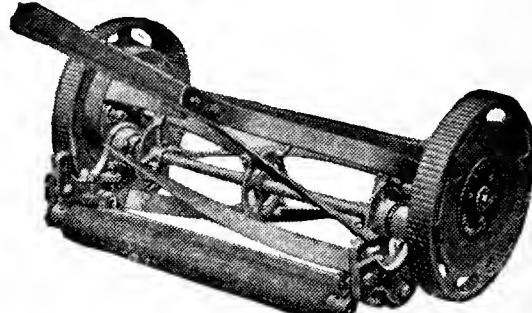
Five Blades, Norma-Hoffman Bearings. Ten inch wheels. Height of cut, $\frac{3}{8}$ to $1\frac{1}{2}$ inches. Cutting width, 14, 16, 18 and 20 inches. Prices: 16" \$13.50, 18" \$14.50, 20" \$15.50.

METROPOLITAN BALL BEARING



Four or Five Blades. Adjustable Ball Bearings. Ten inch wheels. Height of cut, $\frac{3}{8}$ to $1\frac{1}{2}$ inches. Cutting width, 14, 16 and 18 inches. Prices: 4 blade, 14" \$6.40, 16" \$6.70, 18" \$7.15; 5 blade, 14" \$6.85, 16" \$7.15, 18" \$7.65.

VASSAR (Ball Bearing)



Five Blades, adjustable Ball Bearings. Ten inch wheels of indestructable pressed steel. Height of cut, $\frac{3}{8}$ to $1\frac{1}{4}$ inches. Cutting width, 14, 16 and 18 inches. Prices: 16" \$8.85, 18" \$9.30.



"Just the Garden Glove I've been Looking for!"

That's what you'll say, too, when you put on this new and different glove which has been specially designed for garden wear. Its unique qualities have made it nationally popular with both men and women.

All-Leather SOFT AS KID

Made from select imported leather processed to render it extra soft and pliable as well as durable. Gives complete protection from dirt, bruises, scratches and stains—yet allows almost bare-hand freedom with maximum comfort.

Economical, too, for they will outwear six pairs of ordinary fabric gloves and are useful the year round for Garden, Housework, Painting, Yard, Furnace, Garage, etc. Keep the hands in "party" condition.

DIRT-PROOF Extra Pliable

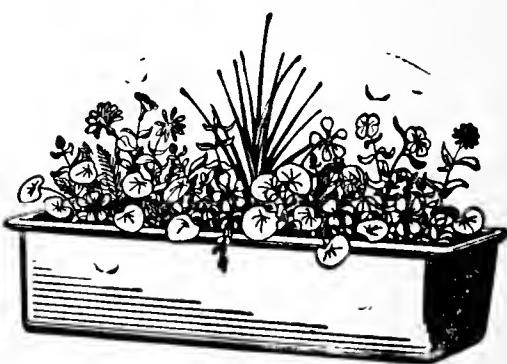


WASHABLE!

Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price, 75 cents a pair (2 pairs, \$1.40), postpaid.

National
Eezy Wear
Garden Gloves

GARDENETTE FLOWER BOX



A sturdy Flower Box made of heavy galvanized sheet steel and finished in a very attractive shade of green. Has steel liner which provides channel on bottom for water and air, enabling the successful growth of any vegetation.

The UNIVERSAL Brackets were designed primarily for use with the GARDENETTE FLOWER BOX and are completely adjustable.

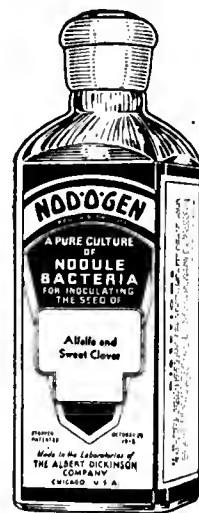
Write for sizes and prices

INOCULATE

YOUR LEGUME SEEDS, such as alfalfa, sweet clover, red clover, alsike, soybeans, peas, field and garden beans, vetches, etc.

NOD-O-GEN

Highest quality cultures, guaranteed to reach you fresh, without contamination. Billions of vigorous bacteria in each bottle. Lowest prices for the best and there is no reason to pay more.



For small seeds, such as Alfalfa, Sweet Clover, Red Clover, Mammoth Clover, Alsike, etc.

½ bu. size....\$.30 1 bu. size....\$.50 2½ bu. size....\$1.00

For large seeds, such as Soybeans, Cowpeas, Vetch, Field Peas, Field Beans, etc.

1 bu. size....\$.30 2 bu. size....\$.50 5 bu. size....\$1.00

Manufactured in the laboratories of

THE ALBERT DICKINSON COMPANY

CHICAGO, ILL.

Refiners of PINE TREE Farm Seeds

STANLEY'S CROW REPELLENT

The Standard for Over Twenty Years

PROTECTS YOUR SEED CORN

from Crows, Pheasants, Blackbirds, Larks, and all other corn-pulling birds and animal pests, such as Moles, Gophers, Woodchucks, Squirrels, etc.



(1 Quart) enough for 4 bushels seed	\$1.75
(1 pint) Enough for 2 bushels seed	1.00
(½ pint) Enough for 1 bushel seed	.60

It positively will not clog any planter. It is non-poisonous and will not injure the seed of any kind of corn. It is more effective, more convenient to use, and more economical than any other material.



"I see reports of so many losing their little chicks from diarrhea and bowel trouble. I used to lose a great many of the little downy fellows; tried many remedies and was about discouraged.

"As a last resort I used WALKO TABLETS and raised 300 White Wyandottes; never lost one or had one sick after using the Tablets and my chickens are larger and healthier than ever before." — Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

YOU can have the same happy results raising baby chicks if you use WALKO TABLETS.

WALKO TABLETS for Baby Chicks, 50 cts., \$1.00, \$2.50 and \$4.00.

WALKO TONIX for more eggs, 50 cts., \$1.00, \$2.75 and \$5.00.

WALKO WORM TABLETS for Round Worms and Tape worms.

Half Grown Size, 65 tablets 50 cts.

Full Grown Size, 40 tablets 50 cts.

Full Grown Size, 100 tablets \$1.00.

WALKO LICE POWDER for lice on poultry, horses, cows, dogs, pets of all kinds and fur-bearing animals, 50 cts.

DEALERS PLEASE ASK FOR PRICES

DERRISOL

"IT KILLS APHIDS"

Best and Safest Garden Spray



Destroys insects on flowers, fruits, vegetables, shrubs and trees. Safe to use on delicate plants; non-poisonous to humans and animals; odorless in solution. Requires no soap or spreader. Kills a greater number of the important garden insects, including aphids, red spiders, thrips, leaf hoppers, cabbage worms, many leaf chewers and beetles. Recommended by Experimental Stations.

PRICES:

1 oz. bottle (makes 6 gals.)	\$.35
1/2 lb. bottle (makes 50 gals.)	1.25
1 lb. can (makes 100 gals.)	2.25
2 lb. can (makes 200 gals.)	3.25
10 lb. can (makes 1000 gals.)	12.00

Chaapel's Seed Store

39 East Third Street
WILLIAMSPORT, PA.

DISTRIBUTORS

SLUG SHOT

KILLS INSECTS



Mexican Bean Beetle, Cabbage Worm, Potato Bug. All Garden Insects die after the use of Slug Shot. Not poisonous.

1 lb. Sifter can 25c, 5 lbs. 75c

Kill Weeds Easily



Simply dilute this concentrated liquid with 40 parts of water and sprinkle. All the weeds die.

1 qt. 50c

1 gal. \$1.75

5 gals. \$8.00

Grape and Rose Dust



The best dust to use for Mildew, Black Spot and all fungus diseases on roses and other plants.

1 lb. can 35c, 5 lbs. \$1.00

Berry . Fruit . Garden and Dairy Supplies

Strawberry Baskets. 1 qt. size 90 cts. per 100, \$2.75 for carton 500, \$5.25 per 1000.

Peach and Tomato Baskets. 16 qt. size 7 cts. each, 75 cts. per doz., \$5.25 per 1000.

High Hat Peach Baskets. 8 qt. 7 cts. each, 60 cts. doz.

High Hat Peach Baskets. 4 qt. 6 cts. each, 50 cts. doz.

Bushel Baskets, Round Bottom. \$1.50 per doz., \$10.50 per 100.

Bushel Basket Tubs. \$1.60 per doz., \$11.50 per 100. (Covers extra).

Tills. 4 qt. Pansy Baskets 3 cts. each, \$4.00 for 200.

Tills. 2 qt. Pansy Baskets 3 cts. each, \$4.00 for 200.

Hot Kaps. For early forcing. \$2.40 for 100 (Postpaid \$2.50), 250 including special setter \$3.65 (Postpaid \$3.80), \$10.00 per 1000 (Postpaid \$10.40).

Cel-O-Glass. For hotbed coverings and poultry buildings. \$1.25 per sq. yd., 5 yds. or more \$1.22 per yd. Postage 1 yd. 10 cts., each additional yd. 2 cts.

Glass Cloth. 35 cts. per sq. yd., 10 yds. or more 30 cts. per yd.

Celery Cuffs. For blanching celery. 20 cts. per doz., \$1.25 per 100, \$10.00 per 1000.

Wire Stake and Label Holder. 20 in. galvanized. 30 cts. per doz., \$2.25 per 100.

Plant Labels. Waterproof cloth. 6 in. 20 cts. per doz., \$1.40 per 100.

Tree Labels. Copper wired, plain. 40 cts. hundred, \$2.90 thousand.

Pot Labels. Plain 4". 35 cts. hundred, \$2.50 thousand.

Japanese Cane Stakes. These are very attractive for all purposes of plant staking, thin and very strong. 3' green, 25 cts. dozen; \$1.25 hundred, \$7.00 thousand. 6' natural, 45 cts. dozen; \$2.00 hundred, \$12.00 thousand.

Mulch Paper. 18" wide, 300 yards long, \$3.00.

Aluminum Egg Boxes. For shipping by Parcel Post. 1 doz. size \$1.00, 2 doz. size \$1.50, 3 doz. size \$1.75, 4 doz. size \$2.00, 6 doz. size \$2.50.

Egg Cartons. Hold 1 dozen. Size 3 x 4, 250 for \$1.90.

Acme Egg Grading Scale. Will accurately grade all eggs from 16 ounces per dozen to 32 ounces. Each \$2.85. Sent postpaid when remittance accompanies order.

Mascot Egg Grading Scale. Durable, dependable, quick and accurate. Dial 4 inches wide, calibrated in half ounces from 16 to 32 ounces per dozen. Each \$2.70 Postpaid.

Lawn Edger—Sod Cutter. \$1.25.

Garden Hoe. Small 75 cts., large \$1.00.

Leaf Rakes. Steel \$1.00.

Leaf Rakes. Bamboo 25 cts.

Cemetery Vases. 10 cts. each.

Dibbles. For transplanting plants. Brass point 85 cts. Steel point 65 cts.

Planet Jr. Garden Tools. Illustrated catalogue on request.

Barker Weeders and Cultivators. Ask for catalogue.

Power Cultivators, Gravely. Catalogue on request.

Dairy Supplies

Milk Bottles. Quarts, 80 cts. per doz., \$8.00 per gross; pints, 65 cts. per doz., \$6.10 per gross; ½ pints, 55 cts. per doz., \$5.10 per gross; 10-gross lots, 25 cts. less per gross; 25-gross lots, 50 cts. less per gross. Name Plates on milk bottles, \$2.50 for each size.

Milk Bottle Caps, in Tubes of 500, 35 cts. (postpaid 45 cts.) ; 50,000 in Tubes, \$24.00.

Milk Bottle Cases. Quart Standard (holds 12) \$1.45; Pint Standard (holds 20) \$1.50; ½-Pint Standard (holds 20) \$1.60.

Milk Cans 20-qt. 30-qt. 40-qt.
New York Pattern \$3.60 \$4.80 \$4.95
Cleveland Pattern 3.60 4.80 4.95

Milk Pails. 14-qt. \$1.10, 12-qt. \$1.00.

Milk Strainers, Lisk Quality Sanitary. \$1.50.

Bottle Carriers. 8-qt. size \$1.50, 6-qt. size \$1.40.

Cream Separator Cans with Spigot. 20-qt. \$2.25.

Rubber Aprons, Extra Heavy. \$1.50.

Cotton Pads for Strainers. 100 postpaid, 75 cts., 300 \$1.75.

Champion Milk Coolers. No. 2 \$8.00, No. 3 \$9.60, No. 4 \$12.00.

Bottle Brushes, Hand. 10-in. handle, 50 cts.
Machine. Short handle, 50 cts.

Milk-Can Brushes, Jersey Ox-fiber. 50 cts.

Gong Ox-fiber. 50 cts.

Wyandotte Cleaner and Cleanser. 5-lb. bag, postpaid 55 cts., keg (80 lbs.) \$4.90.

Wyandotte Alkili Special Five Star. 100-lb. keg \$6.15, 375-lb. bbl. \$20.

S-H Sterilizer and Deodorant. Qt. 90 cts., gal. \$2.00.

Teat Tubes, German Silver. 25 cts.

Specialty Hand Bottle Capper. \$25 each.

Wood, Brass-pointed Measuring-stick. 75 cts. each.

Milk-stirrers. 50 cts. each.

A. I. Root Bee Supplies

THE ROOT QUALITY

We are distributors for the complete line of Root Bee Supplies and carry very large stocks. We sell at the A. I. Root prices and give the same discounts to Bee Associations and to authorized dealers that are given by the Company. For quick service send to us. Ask for Bee Catalogue. It is free.

INCREASE Crop PROFITS by Stopping Disease Losses with DUBAY DISINFECTANTS

New Improved CERESAN—for Seed Wheat



New Improved Ceresan effectively controls bunt or stinking smut of wheat, and seedling blight caused by seed-borne scab. Only $\frac{1}{2}$ ounce of dust is used, costing $1\frac{1}{8}$ to $2\frac{1}{3}$ cents a bushel of seed. It is easily and quickly applied in a rotary treater or with the shovel. It is non-injurious to the drill and does not retard flow of seed through the drill. It increases wheat profits by reducing losses from smut and dockage. Prices: 1 lb. 75 cts., 5 lbs. \$3.00.

CERESAN—for Grains, Flax and Peas



Ceresan effectively controls seed-borne stripe disease and covered smut of barley; smuts of oats; kernel smut of sorghums; millet smut; certain flax diseases; and reduces foot rot diseases of peas. It usually increases yields and profits through preventing diseases. No soaking or wetting—dust only 3 ounces on a bushel of seed barley, peas or oats; and 2 ounces on flax, millets, or sorghums. Prices: 1 lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$12.50.

Improved SEMESAN BEL—for Potatoes



Seed potato treatment will bring you more profit than ever before. Improved Semesan Bel gave an average increase in yield of 35.4 bushels of potatoes an acre, on six farms by controlling seed-borne scab and Rhizoctonia, reducing seed rotting and improving stands. This quick dip costs $1\frac{1}{2}$ c to 3c per bushel of seed. One pound treats 60-80 bushels of seed. Prices: 4 ozs. 50 cts., 1 lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$31.25.

SEMESAN JR.—for Field and Sweet Corn

Four bushels more corn can be expected by any farmer that treats his seed corn. Experiment Station tests show. Field of sweet seed corn dusted with Semesan Jr. is protected from seed-borne Diplodia, Gibberella, and Basisporium root rots; and from rotting in cold, wet soil. It gives better stands, and larger yields of improved quality. Use 2 ounces a bushel. Costs $2\frac{1}{2}$ c to 3c an acre. Prices: 4 ozs. 50 cts., 1 lb. \$1.50, 5 lbs. \$7.00.



SEMESAN—for Flower and Vegetable Seeds

Prevent seed rotting under unfavorable soil conditions, also certain seed-borne diseases, that reduce stands, lower yields and quality—by treating all seed, bulbs or corms with Semesan before planting. It is harmless to the seed, but deadly to disease organisms. It costs from $\frac{1}{4}$ c to 1c a pound of seed. One ounce treats 15 lbs. of seed. Effective in controlling damping-off; and gladiolus diseases such as hard rot and scab. Prices: 2 ozs. 50 cts., 1 lb. \$2.50, 5 lbs. \$11.75.



DU BAY FUNGICIDES—for Brown Patch

Both Semesan and Nu-Green have been used for years by hundreds of golf-courses as the most effective and practical treatments yet devised for preventing and controlling brown patch. Both are easily applied in liquid form with any convenient type of sprayer. 1 lb. of Nu-Green treats 1,000 to 2,000 square feet of turf and 1 lb. of Semesan treats 1,000 to 3,000 square feet. Nu-Green prices: 3 ozs. 50 cts., 1 lb. \$1.75, 5 lbs. \$8.00, 25 lbs. \$30.00, 100 lbs. \$115.00, 300 lbs. \$330.00.



DRICONURE

A combined fertilizer and Soil Conditioner—inexpensive, productive. Contains all the strength of fresh manure and is 15 to 20 times better than average barnyard manure. Yet it is absolutely free of weed seeds, insect eggs and other impurities. It is also clean, odorless and easy to apply. What vitamins are to food, DRICONURE is to soil—a growing power that produces strong, sturdy lawns and lovely, colorful flowers. Use in general garden and for lawns. $3\frac{1}{2}$ bushel bag \$2.50.

GPM PEAT MOSS

For improving the general physical condition of garden soil nothing can compare with GPM Peat Moss. It changes heavy, clay soil to nice friable earth. It gives body to sandy soil so that it retains sufficient moisture to grow satisfactory plants. It helps to create and maintain fertility by keeping an adequate supply of moisture about the plant roots. It is unexcelled as a summer mulch to keep moisture in soil and eliminate weeding. Large bale, 20 bushels \$3.50.

SORBEX

A very finely granulated moss peat, ground 25 times finer than GPM and used more for improving the condition of worn out lawns when you have to work from the top, without remaking. Also used for carrying concentrated fertilizers. So fine it quickly disappears from surface of lawn and gets right down to the grass roots. 10 bushel bag \$2.50.

PENNSYLVANIA FARMS HATCHERY, Inc.

announces

CHAAPEL'S SEED STORE AS THEIR AUTHORIZED DEALER **BABY CHICKS**

Every egg hatched in our plant is from a high egg production breeder that has been selected, blood tested and leg banded by the Pennsylvania Department of Agriculture.

Official Penna State Supervised Blood-tested Baby Chicks

Price List—February 1 to May 10, 1934

After May 10, write for special prices

	25	50	100	500
S. C. White Leghorns, Blood-tested.....	\$2.50	\$4.75	\$8.50	\$41.25
S. C. Rhode Island Reds, Blood-tested.....	2.65	5.00	9.00	43.75
Barred Plymouth Rocks, Blood-tested.....	2.65	5.00	9.00	43.75
White Plymouth Rocks, Blood-tested.....	2.65	5.00	9.00	43.75
White Wyandotts, Blood-tested.....	2.65	5.00	9.00	43.75
S. C. New Hampshire Reds.....	2.75	5.25	9.50	46.25

We pay the Parcel Post, including the Special Handling charge, and guarantee one hundred per cent safe arrival.

Send order with full remittance in bank check, post office money order, or draft. We cannot ship Chicks C. O. D.

Please indicate when you want shipments made. We do not ship less than 25 Chicks of any one variety.

Use the Order Sheet and Envelope combined—it's convenient.

Place your Chicks under brooder with a temperature from 90 to 95 degrees. REMEMBER, for the first ten days heat to BABY CHICKS is as necessary as FOOD

Supervised Blood-tested Chicks

Our Supervised Blood-tested Chicks are produced from flocks in which every breeder is a high producer, and is blood-tested by state officials for bacillary white diarrhea.

Chicks produced under these requirements and regulations have a better chance to live, develop normally, and mature to profit-paying flocks than those produced under less exacting requirements.

If you want quality Chicks, buy our Blood-tested State Supervised Baby Chicks.

The Truth About Baby Chicks

A reliable authority tells us that it costs an amateur or home breeder 25 cents or more for every live Chick hatched. Frequently these chicks are low in vitality, coming from ordinary breeding stock, causing many losses and great disappointment.

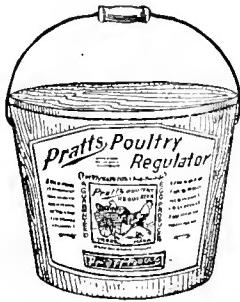
How much better, quicker and cheaper to buy husky Chicks full of life and energy, hatched from "bred-to-lay," free range stock, all ready at one time to grow and develop profitable producers of eggs and meat.

Feed Baby Chicks for two weeks on Pratt's Buttermilk Starting Feed with our Combined Regulator Grit. This will give you a wonderful start in securing that flock for next season's supply of eggs.

Pratt's

REGULATORS and REMEDIES for Poultry and All Livestock

POULTRY REGULATOR. Helps hens lay. Increases rate of growth. Makes any mash better. Add 2 lbs. to every 100 lbs. of mash. Costs only a few cents and will bring back dollars of extra profits. Prices: 24 ozs. 25 cts., 4 lbs. 50 cts., 12 lbs. \$1.40, 25 lb. bag \$2.40.



ROOST PAINT. New improved nicotine formula Roost Paint. Kills lice on hens by just painting and roosts. Costs only half as much as nicotine sulphate 40%. 1 quart delouses 1000 fowls. Prices: 1/2 pt. 75 cts., 1 pt. \$1.25, 1 qt. \$2.00, 1 gal. \$6.00.

CHICK TABLETS. Safe guards chick life. Used in the drinking water it kills the specific organism which causes White Diarrhea. Get a box today and stop chick losses. Prices: 25 and 50 ct. pkgs.

R-P TABLETS. (Formerly called Roup Tablets). Stop big losses from rousy diseases. At the first sign of a cold use R-P Tablets in the drinking water. It kills germs and stops the spread of the disease. Prices: 25 and 50 ct. pkgs.

POWDERED LICE KILLER. Kills lice and other parasites on poultry, rabbits, livestock and pets. Comes in a handy shaker can. Prices: 14 oz. can 25 cts., 2 lbs. 50 cts.

GAPE COMPOUND. Price: 12 oz. pkg. 50 cts.



N-K CAPSULES (For Poultry Worms). Never-fail nicotine and kamala capsules that are kept 100% fresh. To get rid of worms just slip an N-K down the mouth of each bird and the job is done. Made in an adult size and in one size for both chicks and pullets. Prices: 50 tablets 75 cts., 100 tablets \$1.35, 500 tablets \$5.00. Chick size, 50 for 50 cts., 100 for 90 cts., 500 for \$3.50.

POULTRY WORM POWDER. For use when it is desired to worm the entire flock at one time. Just mix Poultry Worm Powder with a mash as is instructed in every package. This is one of the most effective and popular vermicifuges on the market. Price: 50 cts. pkg.

DISINFECTANT. A standard coal tar solution such as is recommended by the Government and other authorities. Effective as a disinfectant and deodorant for poultry houses, stables, barns, etc. Also for household use. Prices: 1 pt. 35 cts., 1 qt. 50 cts., 2 qts. 85 cts., 1 gal. \$1.45.

ANIMAL REGULATOR. A conditioner that will keep your livestock in the pink of condition. Tones up the system. Builds up disease resistance and enables animals to produce more work for the same feed. Prices: Pkg. 25 cts., 25 lb. pail \$2.50.

COD LIVER OIL. Vitamin tested and guaranteed. Provides an effective source of Vitamin D. Prices: 1 qt. 35 cts., 1 gal. \$1.10, 5 gals. \$4.50.

SPECIAL COMPOUND. Price: 50c pkg.

SORE HEAD CHICKEN POX OINTMENT. Price: 60 cts. pkg.

"BLACK LEAF 40." Kills lice. Just paint the roosts. 1 oz. paints 12 ft. roost 35 cts., 5 ozs. paints 65 ft. \$1.00, 1 lb. paints 200 ft. \$2.25, 2 lbs. paints 400 ft. \$3.25, 5 lbs. paints 1000 ft. \$5.85, 10 lbs. paints 2000 ft. \$9.85.

DR. HESS' POULTRY PANAMIN. (Formerly Pan-a-cea). A conditioner and mineral supplement put up in 3 lb. packages, 50 cts., 7 lbs. \$1.00.

DR. HESS STOCK TONIC. 5 lbs. 75 cts., 25 lbs. \$3.00.

GREYLAWN LOUSE POWDER. For dusting fowls and nests. Also livestock. The most effective lice exterminator in existence. 12 ozs. 65 cts., 22 ozs. \$1.00.

FYLER'S CONNECTICUT FORMULA. The Premier Treatment for Enteritis and Paralysis. 15 oz. can 75 cts.

FYLER'S "ANTI-PICK." Absolutely stops Cannibalism. 3 oz. jar 50 cts.

FYLER'S "RAT-O-CIDE." A Powerful Non-Poisonous Red Squill Exterminator of Rats and Mice. 4 oz. can 50 cts.

BARKER'S MEDICINAL STOCK POWDER. Improved chemical and vegetable Horse, Cattle and Poultry Powder. 30 cts., 60 cts., \$1.00 size pkgs. 12 lb. pail \$2.00, 25 lbs. pail \$3.85.

SAL-VET. The worm destroyer and livestock conditioner without an equal. 5 lbs. 60 cts., 10 lbs. \$1.00.

GERMOZONE. The standard remedy for the prevention and cure of most every ill that affects poultry, such as roup, cholera, bowel complaint, diarrhea, sore head, gapes, etc. 12 oz. bottle 75 cts., 32 ozs. \$1.50.

KOW KARE. The great cow medicine. Large can \$1.00 (postpaid \$1.15), small can 50 cts. (postpaid 60 cts.).

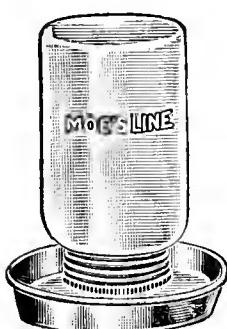
BAG BALM. 50 cts. (postpaid 60 cts.).

GARGET REMEDY. 60 cts. (postpaid 70 cts.).

DR. NAYLOR'S MEDICATED TEAT DILATORS. 1 doz. jars 50 cts. (postpaid 60 cts.), 3 doz. jars \$1.00 (postpaid \$1.10).

TOXITE. Disease control spray. Controls Poultry Coccidiosis (Bloody Diarrhea), Round Worms (Ascaridia), and Red Mites which are transmitted by contaminated litter. Money back guarantee. 1 gal. \$1.50. Ask for bulk prices.

POULTRY SUPPLIES

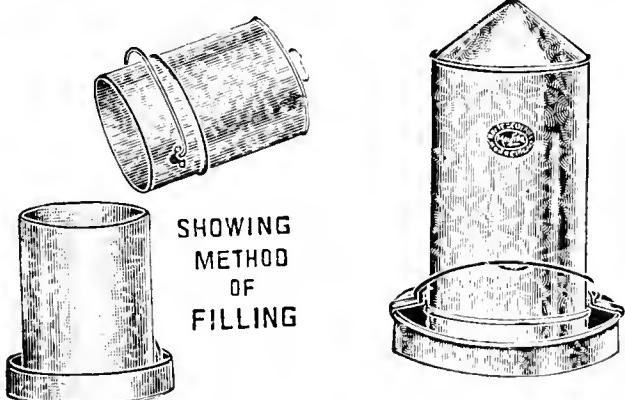


Round Mason Jar Fountain

Made of galvanized steel metal. No seams or solder, and fits Mason jars, sizes 1 pint, 1 quart and 2 quart.

No. 144. (Glass jar not included) Each \$0.10

Cleanable Top Fill Fountains



Top-Fill Fountain, with double walls which keep the water cool in summer and retard freezing in winter. Fills at the top and as easily cleaned as an ordinary pail. Feeds the water automatically, no valves or complicated parts. Heavy galvanized steel, with Round Pan.

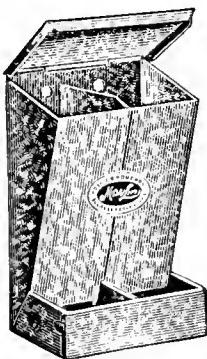
With Convex Tops

273	3 Gallons	8 lbs.	Each \$1.95
274	4 Gallons	10 lbs.	Each 2.10
275	5 Gallons	12 lbs.	Each 2.25

With Cone Tops

283	3 Gallons	9 lbs.	Each \$2.10
284	4 Gallons	11 lbs.	Each 2.25
285	5 Gallons	13 lbs.	Each 2.40

Grit Feeders

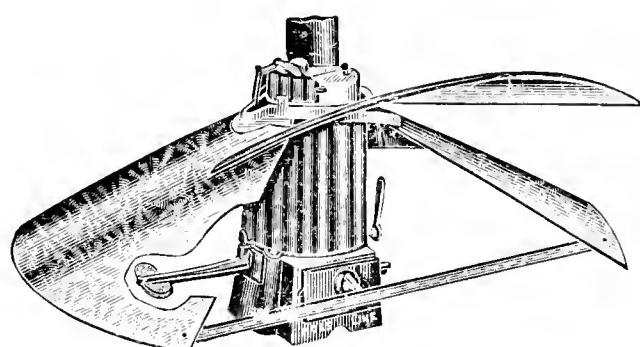


Heavy galvanized steel, well made.

No. 45. Two compartments. Each ... \$0.45

No. 9. Three compartments. Each ... \$0.85

No. 90. Four compartments. Each ... \$1.20



The Grate is in two sections, rocker type, center dump, easy to keep a clean, bright fire at all times. The Ash Pit is easy of access. The bottom of the ash pit is raised from the floor and further protected with a pad of asbestos. The fire is automatically regulated by twin thermostats and after adjustment at the beginning of the season needs no further attention.

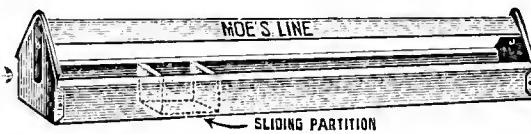
The Canopy is of heavy galvanized steel with a wide door or panel, hinged at the top, giving easy access to any part of the stove.

The chick capacity ratings are for day old chicks.

Diameter of Hover	Capacity Chicks	Diam. of Fire Pot	Shipping Wt. with Hover	Pipe Size	Price Complete
52 in.	1000	11 in.	121 lbs.	5 in.	\$13.50
56 in.	1200	13 in.	141 lbs.	5 in.	15.50

We also carry Buckeye, Jamesway and Royal brooder as well as a full line of poultry supplies.

Three in One Chick Feeders Red Enamel Swing Top



No. 459

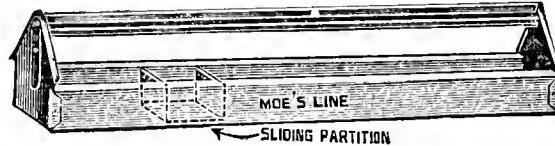
For chicks and growing stock. Heavy galvanized tilting top to prevent fouling the feed. This top is adjustable up and down to give the required head room, as the top guard can be raised as the chicks grow in size.

A Sliding Partition is included. This makes a three compartment feeder, and is very convenient for feeding grit, charcoal, etc.

Height of pan 2 1/4 in., width 4 1/4 in., total height 5 1/2 in., width of tilting top 2 in.

459	24 in.	45 cts.
463	36 in.	60 cts.
464	48 in.	80 cts.

Reel Top Chick Feeders



For Chicks and Pullets, with a revolving Reel or Guard, which prevents roosting.. The reel is adjustable for height, so it can be quickly raised or lowered as desired, and is easily removed for filling and cleaning. A Sliding Partition is included.

466	24 in.	45 cts.
467	36 in.	60 cts.
468	48 in.	80 cts.

Coal Brooder

Highly efficient and practical brooder or hover, self-regulating.

Double Draft check dampers, corrugated fire pot, burns most any kind of fuel, but we recommend hard coal in chestnut size.

Dog Food, Remedies and Supplies

Glover's Imperial Medicines

FOR INTERNAL USE

Round Worm Vermifuge. For Puppies, Dogs, Foxes and Cats. 50 cts.

Round Worm Capsules. For Puppies, Dogs and Foxes. 50 cts.

Tape Worm Capsules. For Puppies, Dogs, Foxes and Cats. 50 cts.

Tetrachlorethylene Capsules. For Hook Worms and Round Worms in Puppies, Dogs, Foxes and Cats. 50 cts.

Condition Pills. Stimulant, Digestive, Appetizer, Tonic. 50 cts.

Iron Tonic. Tonic, Appetizer, General Stimulant for Puppies, Dogs and Cats. 50 cts.

Digestive Pills. Soothing to the Stomach and Intestines, Stimulates Digestion. 50 cts.

Laxative Pills. For Sluggish Bowels and Acute Constipation. 50 cts.

Diarrhea Mixture. To check Looseness of the Bowels from Simple Inflammations and Improper Feeding—For Dogs and Cats. 50 cts.

Compound Sulphur Tablets. Act upon the Kidneys and Intestines. 50 cts.

Nerve Sedative. For Fits and Convulsions in Puppies, Dogs and Cats. 50 cts.

FOR EXTERNAL USE

Mange Medicine Sarcoptic. Antiseptic and Germicide, also a Local Application for Eczema. 65 cts.

Kennel and Flea Soap. A Bath Soap for the Coat. Kills Fleas and Lice. 25 cts.

Medicated Soap. A cleansing Bath Soap for House Dogs. Gives a Glossy Coat. 30 cts.

Cresol Disinfectant. Refined and six times stronger than Carbolic Acid. Antiseptic, Germicide, Insecticide, Deodorant. 50 cts.

Flea and Insect Powder. 100% Pyrethrum Flowers. No Filler added. Non-Poisonous. 50 cts.

Liniment. For Muscle Soreness, Stiffness and Sprains of Dogs. 50 cts.

Sore Foot Medicine. For Dogs. Specially recommended for Hunting Dogs. 50 cts.

Sergeant's Dog Medicines

Sure Shot Capsules. 50 cts.

Puppy Capsules. 50 cts.

Sure Shot Liquid. 50 cts.

Skip-Flea Soap. 25 cts.

Tape Worm Medicine. 50 cts.

Sure Shot Flea Powder. 25 cts.

Spohn's Distemper Compound. 60 cts.

Spratt's Cat Worm Capsules. 50 cts

Pulvex Flea and Lice Powder. 25 cts. and 50 cts.

Sopex Animal Shampoo. 50 cts.

Bee Brand Shampoo. Lathers, cleans. 30 cts.

Pulvex Dog Soap. 50 cts.

Supercedar Kennel Bedding. 5 lbs. 40 cts.

Complete line of Dog Collars, Harness, Leads, Blankets, Combs and Brushes.

GAINES MEAT AND MILK MEAL

Complete Dog Food

5 lbs. 60 cts., 10 lbs. \$1.00, 25 lbs. \$2.00, 50 lbs. \$3.25, 100 lbs. \$6.25.

PRATT'S DOG FOOD (CUBED)

Complete food—clean and easy to feed. Cuts feed cost one half. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1.35, 50 lbs. \$2.60, 100 lbs. \$5.00.

KEN-L-RATION

The Dog Food Supreme

1 lb. can 15 cts., 2 cans 25 cts. (postpaid 35 cts.), 8 cans \$1.00 (postpaid \$1.20), case 48 1-lb. cans \$5.50.

PUP-E-RATION

Contains bone building elements. 1 lb. can 15 cts. (postpaid 25 cts.), 7 cans \$1.00 (postpaid \$1.25), case 48 1-lb. cans \$6.00.

KIT-E-RATION

The Cat Food Supreme

A perfect balanced ration especially produced for cats and kittens. 1 lb. can 15 cts. (postpaid 25 cts.), 7 cans \$1.00 (postpaid \$1.25), case 48 1-lb. cans \$6.00.

CHAPPEL'S DOG BISKIT

The Cakes of Energy

KEN-L-BISKIT

KIB-L-BISKIT

PUP-E-CRUMBLES

Carton 30 cts. (postpaid 40 cts.), 5 lbs. 55 cts., 10 lbs. \$1.00, 25 lbs. \$2.25, 50 lbs. \$4.25, 100 lbs. \$8.00.

BENNETT'S MILK BONE DOG AND PUPPY FOOD

Small carton 15 cts., large 35 cts.

High Standard

. . . a name which for more than 30 years has stood for the Highest Standard of Dependable Quality, guaranteed to give complete satisfaction in every respect.

CALSO—The perfect Potato, Tobacco and Truck Spray. It kills chewing insects quickly—keeps off Flea-Beetles, prevents Blights, protects from Tip Burn and supplies protection against pests and fungus diseases on all truck crops with hardy foliage.

PAN-TOX—A combined Insecticide and Fungicide. A chemically accurate Bordeaux-Lead Spray that increases yield of Apples, Pears and Quinces.

20% BORDO POWDER—It is absolutely better than the home-made Bordo. Used for a great many fungus diseases.

SPRAY OIL—A Self-Emulsifying Spray, effective as a dormant Spray for Scale Insects, Aphis or Red Mite on fruit trees,

WEED KILLER—For destroying Canada Thistle, Horse Nettle, Ivy Poison, and all other Weeds.

KILL-PEST—The Safe Household Insecticide. For killing Flies, Roaches, Mosquitos, and certain other household pests. Also for Lice on poultry, non-poisonous except to the insects it is intended to kill.

ARSENATE OF LEAD—A poison that kills leaf-eating insects. Guaranteed to contain 31% Arsenic Oxide in perfect combination with the lead, making it higher in killing power than most others.

LIME SULPHUR SOLUTION—A dependable dormant Spray for destroying Scale Insects and Spores of fungus diseases.

40% NICOTINE SULPHATE—It controls Sucking Insects such as Aphids (plant lice), Thrips and Leaf-Hoppers attacking and infesting fruit trees, shrubs, flowers and vegetables.

CALCIUM ARSENATE—A quick acting poison that kills leaf-eating insects. Contains 42% of arsenic oxide and less than 1% soluble arsenic.

High Standard Products are manufactured by
The STANDARD CHEMICAL WORKS, Inc.

GENERAL OFFICES
READING, PENNA.

DISTRIBUTED BY
CHAAPEL'S SEED STORE

Feed The Safer Dog Food



Typical Gaines-fed Litter

Donald C. Clark, Malverne, L. I., in sending us the above picture, writes: "This litter of pedigreed English Springer spaniels has been raised exclusively on Gaines Food. The entire ten have thrived marvelously. I recommend it to all buyers of these puppies and they all report the same excellent results."



Here is an entirely different kind of dog food . . . a ration so satisfying that literally hundreds of important kennels are switching permanently to it every month. Six important features. You get a complete food; nothing to be added . . . a balanced food biologically proven . . . a food convenient to feed; no cooking or measuring . . . a food that will reduce your feeding costs . . . a food reinforced in Vitamines A, B, D, E and G . . . and a Food that carries the endorsement of the most successful kennels in the country.

Why be satisfied with less—especially when you'll have money by using the best.

Get a free sample—or better yet try ten pounds of this modern dog food for \$1.00.

CAINES MEAT AND MILK MEAL IS SOLD BY

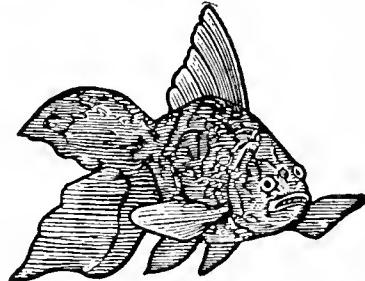
CHAAPELS SEED STORE



Fullsong Products

for
BIRDS and FISH

Supply to domestic birds and fish just what they would choose if they were set free. Pets depend entirely upon the judgment of their owners for their food, health and comfort.



Fullsong Products are scientifically prepared to keep these pets contented and in the best of health so that their owner will be proud of them. All **Fullsong Products** are guaranteed to be fresh and clean and of the highest quality.

Fullsong Mixed Bird Seed (16 oz.)	25c
Fullsong Mixed Bird Seed-Jr. (10 oz.)	15c
Fullsong Washed Bird Gravel (2 lb.)	10c
Fullsong Health Grit (Mag. & Charcoal)	30c
Fullsong Love-bird & Finch Seed.	25c
Fullsong Health Food	25c
Fullsong Feather-Pulling Remedy	25c
Fullsong Moulting Food	25c
Fullsong Regulator	25c
Fullsong Mating Food	25c
Fullsong Nestling Food	25c
Fullsong Health Food for Young Birds	25c
Fullsong Color Food	25c
Fullsong Antiseptic Wash	25c
Fullsong Bird Bitters	25c
Fullsong Vitamin	25c
Fullsong Bird Peppers	25c

Fullsong Charcoal	10c
Fullsong Oil Tonic	25c
Fullsong Red Mite Powder	25c
Fullsong Red Mite Liquid	25c
Fullsong Cold Remedy	25c
Fullsong Asthma Remedy	25c
Fullsong Footease	25c
Fullsong Parrot Food	25c
Fullsong Parrot Grit	30c
Fullsong Parrot Tonic	50c
Fullsong Fish Food with Shrimp	10c
Fullsong Wafer Fish Food	10c
Fullsong Turtle Food	15c
Fullsong Ant Eggs	15c
Fullsong Oval Bird Perches—ass't	10c
Fullsong Manna Buds	10c
Fullsong Cuttlebone—2 with holder	05c

BIRDS and BIRD SUPPLIES

We carry a full line of Cages and Standards which we feel will please the most discriminating people. The prevailing style is colored cages to blend with the household furnishings. Many styles and colors in stock. Prices and descriptions given on application.

SINGING CANARY BIRDS. Every bird is carefully selected for song and satisfaction guaranteed. Birds can be shipped by express only.

Male Choppers \$ 4.50

Hartz Mountain \$ 4.00

Prices subject to change.

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Pulvex Insect Gun with Powder, 35 cts.

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Cage Hooks, 30 cts. and 35 cts.

Seed and Water Cups; Opal 15 cts., Non-breakable 25 cts.

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Our own selected Mixed Bird Seed, 20 cts. lb., 5 lbs. 75 cts., 10 lbs. \$1.20.

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German Song Restorer, 25 cts.

Bird Manna, 15 cts.

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Fulson Health and Song Restorer, 25 cts., 50 cts. and \$1.00.

Fulson Bird Peppers, for moulting, cold, and asthma, 25 cts.

Fulson Vitamin Seed. Tonic, 25 cts.

Fulson Color Food; for pepper-fed birds, 25 cts.

Fulson Feather-pulling Remedy, 25 cts.

Fulson Moulting Food, 25 cts.

Fulson Regulator. Bird conditioner, 25 cts. and 50 cts.

Fulson Nestling Food, 25 cts.

Fulson Bird Bitters. Health tonic, 25 cts.

Fulson Bird Tonic. Health tonic, 25 cts.

Fulson Foot Ease and Scale Remedy, 25 cts.

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Sunflower; selected for parrots. Lb. 20 cts., 2 lbs. 35 cts.

Parrot Food Mixed, 25 cts.

Parrot Grit, Bone-Builder, 35 cts.

Parrot Tonic. For cold, 25 cts.

FISH FOOD

Fish Food Wafers, 10 cts.

Fish Food, Natural, 10 cts. and 25 cts.

Turtle Food. Contains ant-eggs, 20 cts.

CHAAPEL'S MIXED BIRD SEED

Mixed by ourselves from the very best re-cleaned seed obtainable. Containing Canary, Sweet German Rape, Hemp, Niger Thistle, White Lettuce, Flax and Bird Millet.

1 lb. 20 cts., 2 lbs. 35 cts., 5 lbs. 75 cts.

Postage extra.

A Name You Can Trust—BURNETT'S

For more than 40 years, the name "Burnett's" has represented the highest quality in foods and remedies for birds and fish. Each Burnett product is guaranteed. Purchase price is refunded if not satisfactory. Here are a few of Burnett's products whose reliability has been proved beyond question.

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Burnett's Cod Liver Oil Bird Food—Is also a nestling food.

Burnett's Pep—A tonic food in biscuit form.

Burnett's Lightning Song Restorer—A condition food.

Burnett's Moultng Food—Speeds recovery.



Burnett's Bird Seed—It's ALL seed.

Burnett's Bird Gravel—Washed, selected.

Burnett's Bird Wash—Invigorating.

Burnett's Bird Tonic—Safe, reliable.

Burnett's Bird Salve—Heals sore feet.

Burnett's Bird Balm—For bald spots.

Burnett's Mocking Bird Food—For soft-billed birds.

FOR FISH

Burnett's Glandex—New gland food for Tropicals.

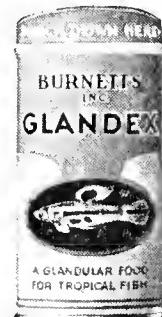
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Burnett's Tropical Food—A combination food.

Burnett's In-Sect-O Fish Food—Genuine imported.

Burnett's Turtle Food—For Turtles, Newts, Chameleons.

Burnett's Ich & Fungus Tonic & Remedy—New and improved.



Field Seed and Seed Grain

PRICES ON FARM SEEDS SUBJECT TO MARKET CHANGES

All our tested farm seeds are sold under the provisions of the Pennsylvania Pure Seed Law.

MEDIUM RED CLOVER (Pine Tree Brand). Domestic Grown. The Red or June Clover is probably more generally grown than any other. This crop is the standard for American farmers. Lb. 30 cts., bu. (60 lbs.) \$11.50.

MAMMOTH RED CLOVER (Pine Tree Brand). Domestic Grown. Pea Vine or Sapling Clover. Genuine Mammoth. A large rank-growing clover, ripening at the same time as Timothy, producing an enormous yield. Lb. 30 cts., bu. (60 lbs.) \$12.00.

ALSIKE CLOVER (Pine Tree Brand). One of the hardest varieties known. It is perennial and does not winter kill. Thrives on most soil. Lb. 30 cts., bu. (60 lbs.) \$12.25.

CRIMSON CLOVER. An annual of strong, erect growth. Lb. 15 cts., bu. (60 lbs.) \$6.00.

ALFALFA CLOVER (Pine Tree Brand). Northwestern Grown. Produces 3 to 7 tons per acre. High in protein. It does not exhaust the soil but enriches it. Lb. 30 cts., bu. (60 lbs.) \$12.25.

GRIMM ALFALFA CLOVER (The Genuine Certified). Has a different root system, more hardy than other strains of Alfalfa and can be grown on shallower soil. Sealed and certified bags. Lb. 40 cts., bu. (60 lbs.) \$15.00.

SWEET CLOVER, WHITE BLOSSOM. (Pine Tree Brand). A legume of immense size and rank growth. Has great value as a soil improver. Furnishes palatable hay and makes excellent pasture. Lb. 15 cts., bu. (60 lbs.) \$4.75.

SWEET CLOVER-YELLOW BLOSSOM (Pine Tree Brand). Does not grow so heavy and coarse as White Blossom and has a yellow blossom. Superior for pasture. Lb. 20 cts., bu. (60 lbs.) \$5.25.

TIMOTHY. 99.60 Pure (Pine Tree Brand). As a crop for hay Timothy is probably unsurpassed by any other grass. Lb. 15 cts., bu. (45 lbs.) \$4.50.

SOY BEANS. (The Great Soil Improver). Soy Beans can be grown in all parts of the country where dent corn succeeds and on a greater variety of soils than any other legumes. We carry Manchu and Black Wilson varieties. Ask for prices.

SUDAN GRASS. The most wonderful annual grass ever introduced. Ask for prices.

WINTER VETCH. For forage and fertilizing purposes. Lb. 15 cts., bu. (60 lbs.) \$7.50.

PEAS, CANADIAN FIELD. Usually sown with oats. Used both as a green feed and fertilizer. Bu. (60 lbs.) \$3.75, per 100 lbs. \$6.00.

DWARF ESSEX RAPE. A forage plant of great merit. Valuable feed for cattle, sheep and hogs. Lb. 10 cts., bu. (60 lbs.) \$4.00.

GOLDEN MILLET. Produces a very fine quality hay and makes a large seed head. Lb. 8 cts., bu. (48 lbs.) \$2.50.

Seed and Ensilage Corn

QUENSHENAQUE YELLOW DENT. Early maturing. Good size, sure cropper. Grown and bred on the hills of Lycoming County. Bu. (56 lbs.) \$1.75.

WHITE CAP YELLOW DENT. Acclimated and grown in Lycoming County. Never fails to mature properly. Vigorous habit, large foliage, sure cropper. Bu. (56 lbs.) \$1.75.

LONGFELLOW FLINT. Extra early 8 rowed yellow flint. Pk. (14 lbs.) 90 cts., bu. (56 lbs.) \$3.00.

WEST BRANCH SWEEPSTAKES. Lycoming County grown. Stalks 1½ to 2 inches in diameter and 12 to 15 feet high. Ears large averaging a foot long and 10 inches in circumference. Bu. (56 lbs.) \$1.75.

LANCASTER SURE CROP. Lycoming County Grown. This variety grows quite tall, is very leafy, develops ears early and ripens a little earlier than Sweepstakes. Bu. (56 lbs.) \$1.85.

EUREKA ENSILAGE. Virginia Grown. Grows 14 to 18 feet high on stalks 2 to 2½ inches in diameter. Vast amount of foliage. Bu. (56 lbs.) \$2.50.

BLUE RIDGE ENSILAGE. Virginia Grown. Earlier than Eureka, not quite as large, ears 10 to 12 inches long, stalks 12 to 14 feet high. Bu. (56 lbs.) \$2.65.

ALPHA BARLEY 2 Row. Ripens with oats. Bu. (48 lbs.) \$1.50.

BARLEY 6 Row. Early variety. Sow 2½ bu. per acre. Bu. (48 lbs.) \$1.00.

WESTERN SEED OATS. 38 to 40 lbs. to the bushel. Farmers who want a branching variety of a well-tried, reliable kind can safely sow Western Seed Oats regardless of the acreage they want to put out. Bu. (32 lbs.) 80 cts., 10 bu. lots 75 cts. per bu.

PASTURE MIXTURE (Permanent). Composed of such seed as Kentucky Blue Grass, Red Top, White and Alsike Clover, Meadow Fescue, Orchard Grass and Rye Grass. Lb. 25 cts., 100 lbs. \$20.00.

KENTUCKY BLUE GRASS. Lb. 30 cts., 10 lbs. \$2.50.

RED TOP. Lb. 25 cts., 10 lbs. \$2.00.

ORCHARD GRASS. Lb. 20 cts., 10 lbs. \$1.50.

ROUGH STALK MEADOW GRASS. Lb. 30 cts., 10 lbs. \$2.50.

ASTORIA CREEPING BENT. Lb. \$1.00, 10 lbs. \$8.50.

HARD FESCUE. Lb. 30 cts., 10 lbs. \$2.50.

If wanted by parcel post, add postage 8 cts. for the first pound, and 1 cent for every additional pound, within the First and Second Zones. Bags included.

The saying "Best is none too good" sure does apply to buying clover seed. For this reason we buy only the best and to insure getting the best we purchase U. S. Government Verified Origin seed. Our customers can see by the Government tag just where the seed they are buying is grown without any guess work and eliminating the chance of getting seed grown in states where climate conditions make seed unsuitable for our section. It is hard enough to get a stand of clover without sowing seed that will winter kill easily. "Buy U. S. Dept. of Agriculture Verified Clover."

SPECIAL FARM PAGE

John Deere Farm Machinery

While we do not carry everything in stock, we can give quick delivery on any item of machinery you may need.

PLOW REPAIRS for Syracuse and John Deere Sulky Plows



POINTS FOR

Wiard	Old John Deere Sulky Plows
LeRoy	Oliver
Eddy	Munnsville

Oliver, John Deere and Massey-Harris Farm Machinery

REPAIRS—REPRESENTATIVE LINE FOR

Mowers	Dump Rakes
Side Delivery Rakes	Grain Binders
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Cutting Extras for All Makes Mowers and Binders

Sections	Rake Teeth
Guards	Guard Plates
Rivets	5 an 6 Ft. Cut Bars
Guard Bolts	Pitmans
Pitman Straps	Pitman Boxes

Lowest Possible Price in Season

We are carrying in stock the largest supply of Plow Repairs, Chain Links and Special Extras in this Section.

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Vegetable Seeds for Planting in Hotbeds in March

BEANS
BEETS
EARLY CABBAGE
EARLY CARROT

CAULIFLOWER
CELERY
EGGPLANT
ENDIVE

KOHL-RABI
LEEK
LETTUCE
ONION

PARSLEY
PEPPER
RADISH
TOMATO

SEED SOWING and Planting Table for Vegetables for Home Gardeners in New York and Vicinity

Variety of Vegetable	Time to Sow Open Ground	No. of Days Required to Germinate	Time Required for Maturity from Date Sown	Distance Planting		Amount of Seed etc., Required	Depth to Plant
				Apart in Row	Rows Apart		
ARTICHOKE, Globe..	May.....	.....	.....	2-3 ft. . .	2-3 ft. . .	½ oz. for 100 ft. row	1-2 in.
ARTICHOKE, Jerusalem	April.....	.....	.....	1-2 ft. . .	2-3 ft. . .	Peck for 100 ft. row	3 in.
ASPARAGUS, Seeds...	April & May.	20 to 28	3 to 4 years . . .	.....	.....	2 oz. for 100 ft. row	1-2 in.
ASPARAGUS, Roots..	April.....	.....	.....	1 ft. . . .	2 ft. . . .	100 for 100 ft. row..	3-5 in.
BEANS, Dwarf.....	May to Aug..	6 to 10	45 to 75 days	3 in. . . .	2 ft. . . .	1 qt. for 150 ft. row..	½-2 in.
BEANS, Pole and Lima.	May to June..	6 to 10	65 to 100 "	3 ft. . . .	4 ft. . . .	1 qt. for 100 hills . . .	1-2 in.
BEETS.....	April to Aug..	7 to 10	60 to 75 "	4 in. . . .	1 ft. . . .	½ oz. for 100 ft. row	1-2 in.
BORECOLE (Kale)	For Spring use.....	Aug. & Sept..	85 to 120 "	2 ft. . . .	2½ ft. . . .	½ oz. for 100 ft. row	½ in.
For Fall use.....	June.....	6 to 10	85 to 120 "	2 ft. . . .	2½ ft. . . .	½ oz. for 100 ft. row	½ in.
BRUSSELS SPROUTS	April to July..	6 to 10	100 to 120 "	1½ ft. . . .	2½ ft. . . .	¼ oz. for 100 ft. row	½ in.
CABBAGE, Early.....	April.....	6 to 10	100 to 125 "	1½ ft. . . .	2 ft. . . .	¼ oz. for 100 ft. row	½ in.
CABBAGE, Late.....	May to June..	6 to 10	120 to 180 "	2½ ft. . . .	2½ ft. . . .	¼ oz. for 100 ft. row	½ in.
CARROT, Early.....	April.....	10 to 15	65 to 85 "	4 in. . . .	1½ ft. . . .	½ oz. for 100 ft. row	½ in.
CARROT, Late.....	May to July..	10 to 15	100 to 120 "	5 in. . . .	2 ft. . . .	½ oz. for 100 ft. row	½ in.
CAULIFLOWER, Early	April.....	6 to 10	100 to 115 "	1½ ft. . . .	2½ ft. . . .	¼ oz. for 100 ft. row	½ in.
CAULIFLOWER, Late	May & June..	6 to 10	100 to 135 "	2 ft. . . .	3 ft. . . .	¼ oz. for 100 ft. row	½ in.
CELERY.....	April.....	12 to 20	125 to 150 "	6 in. . . .	3 to 5 ft. . . .	¼ oz. for 100 ft. row	⅛ in.
CHERVIL.....	April & May..	6 to 10	.....	broadcast	20 in. . . .	1 oz. for 100 ft. row.	1 in.
CORN, Sugar.....	May to July..	8 to 10	60 to 100 "	3 ft. . . .	4 ft. . . .	1 qt. for 200 hills . . .	1-2 in.
CRESS, Curled.....	April.....	4 to 6	30 "	broadcast	1 ft. . . .	½ oz. for 100 ft. row	on surface
CUCUMBER.....	May to July..	6 to 8	60 to 85 "	4 ft. . . .	4 ft. . . .	1 oz. for 60 hills . . .	1-2 in.
EGGPLANT.....	.....	10 to 14	125 to 160 "	2½ ft. . . .	2½ ft. . . .	¼ oz. for 100 ft. row	½-1 in.
ENDIVE.....	April to Aug..	6 to 10	75 to 100 "	1 ft. . . .	14-20 ft..	1 oz. for 100 ft. row.	½-1 in.
HORSERADISH.....	April & May..	.....	.....	1 ft. . . .	2½ ft. . . .	70 roots for 100 ft... .	3-4 in.
KOHL-RABI.....	April to July..	6 to 8	65 to 85 "	1 ft. . . .	2 ft. . . .	¼ oz. for 100 ft. row	½ in.
LEEK.....	April & May..	6 to 10	120 to 160 "	6 in. . . .	1½ ft. . . .	¼ oz. for 100 ft. row	1 in.
LETTUCE.....	April to Aug..	6 to 10	75 to 100 "	1 ft. . . .	1 ft. . . .	¼ oz. for 100 ft. row	½ in.
MELON, MUSK.....	May to June..	6 to 10	90 to 120 "	4 ft. . . .	4 ft. . . .	1 oz. for 60 hills . . .	1-2 in.
MELON, WATER.....	May to June..	8 to 12	100 to 125 "	8 ft. . . .	8 ft. . . .	1 oz. for 30 hills . . .	1-2 in.
ONION, Seed.....	April & May..	6 to 10	120 to 150 "	3 in. . . .	1 ft. . . .	½ oz. for 100 ft. row	½-1 in.
ONION, Sets.....	April & May..	.....	.....	3 in. . . .	1 ft. . . .	3 pts. for 100 ft. row	1-2 in.
PARSLEY.....	April & May..	18 to 24	90 to 100 "	4 in. . . .	1 ft. . . .	¾ oz. for 100 ft. row	⅛ in.
PARSNIP.....	April.....	12 to 18	100 to 150 "	6 in. . . .	1½ ft. . . .	½ oz. for 100 ft. row	½-1 in.
PEAS, Wrinkled.....	April to July..	5 to 10	50 to 75 "	2 in. . . .	2 to 4 ft. . . .	1 qt. for 150 row . . .	2-3 in.
PEAS, Smooth.....	April to Aug..	5 to 10	50 to 65 "	2 in. . . .	2 to 4 ft. . . .	1 qt. for 150 row . . .	2-3 in.
PEPPER.....	.....	10 to 14	135 to 150 "	2 ft. . . .	2½ ft. . . .	½ oz. for 100 ft. row	½ in.
POTATOES.....	April to June..	15 to 25	75 to 100 "	10 in. . . .	1½ ft. . . .	1 pk. to 100 ft. row.	4 in.
PUMPKINS.....	May to June..	6 to 10	100 to 125 "	8 ft. . . .	8 ft. . . .	1 oz. for 50 hills . . .	1-2 in.
RADISH.....	April to Sept..	4 to 6	25 to 50 "	2-4 in. . . .	1 to 1½ ft. . . .	1 oz. for 150 ft. row.	½-1 in.
RHUBARB ROOTS..	April & May..	.....	.....	3 ft. . . .	3 to 5 ft. . . .	33 plants for 100 ft.. .	2-3 in.
SALSIFY.....	April.....	6 to 10	100 to 150 "	4 in. . . .	1 ft. . . .	½ oz. for 100 ft. row	1 in.
SPINACH.....	April to Sept..	6 to 12	60 to 75 "	4 in. . . .	1 to 1½ ft. . . .	1 oz. for 200 ft. row.	1-2 in.
SQUASH, Summer.....	May to July..	6 to 10	60 to 75 "	4 ft. . . .	4 ft. . . .	1 oz. for 50 hills . . .	1-2 in.
SQUASH, Winter.....	May to June..	6 to 10	100 to 125 "	8 ft. . . .	8 ft. . . .	1 oz. for 50 hills . . .	1-2 in.
TOMATO.....	June.....	6 to 10	125 to 150 "	3 ft. . . .	3 ft. . . .	½ oz. for 100 hills . . .	½-1 in.
TURNIP.....	April to Sept..	4 to 7	60 to 75 "	6 in. . . .	1 to 1½ ft. . . .	½ oz. for 100 ft. row	⅓-⅔ in.

MEASUREMENTS OF AN ACRE

The following will be found useful in arriving at accuracy in estimating the amount of land in different pieces of ground under cultivation: 5 yards wide by 968 yards long, contains one acre, as do also the following measurements: 10 yards wide by 484 yards long; 20 yards wide by 242 yards long; 40 yards wide by 121 yards long; 70 yards wide by 69½ yards long; 60 feet wide by 726 feet long; 110 feet wide by 396 feet long; 120 feet wide by 363 feet long; 220 feet wide by 198 feet long; 240 feet wide by 181½ feet long, and 440 feet wide by 99 feet long.

INSECTICIDES TO USE FOR INSECTS AND FUNGUS DISEASES

Insects that suck the juices from Plants and Foliage. Ever Green, Nicotine Sulphate, Red Arrow, O. K. Plant Spray, Nicotine Pyrox.

Insects that eat the Plants or Foliage. Derrisol, Arsenate of Lead, Bug Death, Ever Green, Pyrox, Red Arrow, O. K. Plant Spray, Fish Oil Soap, Slug Shot.

Scale on Hard Wood Trees. Spray with Lime Sulphur or Oil Sprays, such as Scalecide and Volck, before growth starts. Lime Sulphur may act as a check after growth starts.

Fungous Diseases. Spray with Bordeaux, Fungotrogen or Pyrox. Dust with Bordeaux or Grape Dust. **Underground Insects.** Cut Worm Killer, Mag-o-tite, Tobacco Dust or To-na-cide, Evergreen, Red Arrow.

QUANTITIES OF FERTILIZERS TO USE

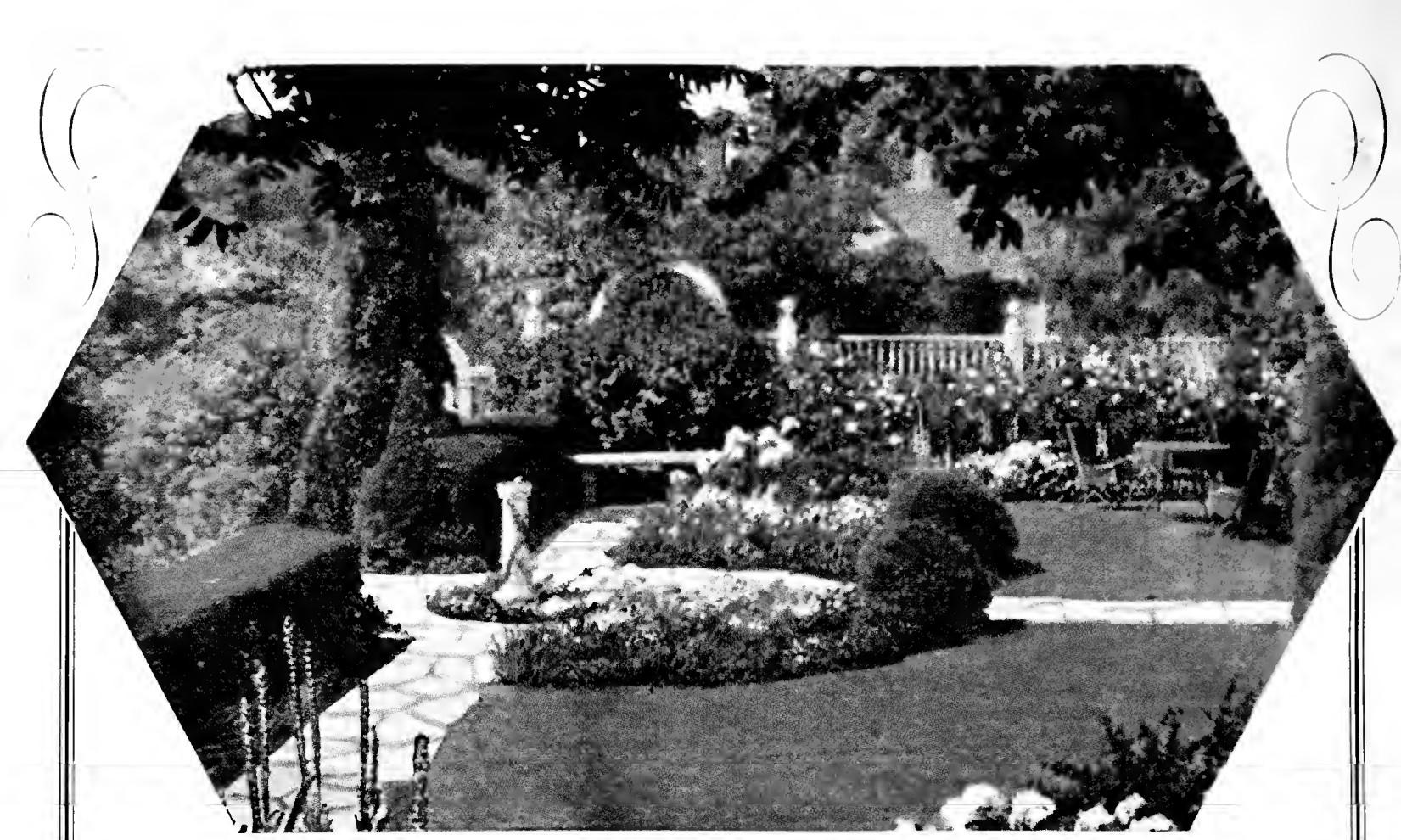
Bone Meal. 5 lbs. to 100 sq. ft., ½ to 1 tone per acre.

Vigoro and Sacco. 3 to 4 lbs. to 100 sq. ft., 300 to 500 lbs. per acre.

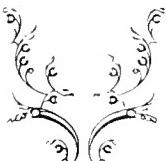
Lime, Hydrated. For lawn, 100 lbs. to 400 sq. ft., 1 ton per acre on light soils, 2 tons per acre on heavy soils.

Nitrate of Soda. 1 oz. to 2 gals. water, 100 to 200 lbs. per acre.

Sheep Manure. 1 lb. to 5 gals. of water, 10 lbs. to 100 sq. ft., 500 to 600 lbs. per acre.



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